

California Academy of Sciences

RECEIVED BY GIFT FROM

Dr. E. C. Van Dyke

May 19, 1949

6

3

Edm. C. Van Dyke.

81 71

THE
BRITISH COLEOPTERA
DELINEATED,

CONSISTING OF

FIGURES

OF

ALL THE GENERA OF BRITISH BEETLES,

DRAWN IN OUTLINE BY

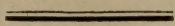
W. SPRY, M.E.S.

EDITED BY

W. E. SHUCKARD, LIBR^N. R. S.

AUTHOR OF

“ Essay on the Fossorial Hymenoptera,” and “ The Elements of British Entomology.”



LONDON:
PUBLISHED BY W. CROFTS, 19, CHANCERY LANE.
1840.

1861

Vol

BRITISH COLLEGE

DEPARTMENT

FIGURES

AND THE HISTORY OF THE

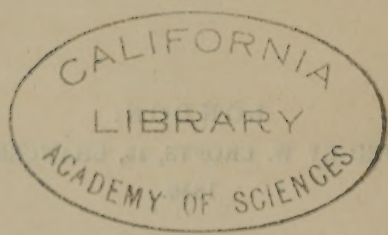
LONDON:

PRINTED BY C. ROWORTH AND SONS, BELL YARD,
TEMPLE BAR.

W. BENTLEY

1861

W. BENTLEY



PREFACE.

W. E. Shuckard

IN presenting this work to Entomologists, I do it with the fullest confidence of its being well worthy their acceptance. The deficiency of a similar undertaking has long been felt, and this can be fully appreciated when we reflect how very inadequate descriptive language is to convey a clear and distinct notion of the ever-varying modifications of form observable in the insect world. Considering its scope and object, this work, as one of illustrations in this science, and containing 638 figures, is certainly the most complete that has yet issued from the press; and in artistical execution I will affirm—and which I, sharing in no portion of that merit, may do without egotism—that there is none yet published that surpasses it; and for delicacy of outline it is unrivalled. It is very superior in execution to Panzer and Olivier, whose plans were too vast to admit of completion: and although it wants colour to vie with the best, yet in careful accuracy I am convinced it is not by that even surpassed. It has the advantage of being done throughout from the originals, which, as many of the genera figured are unique, could of course only be accomplished by the kindness of the several Entomologists in whose possession those unique and rare insects existed; or who, with genuine scientific liberality, furnished me for my own collection with the means of supplying deficient forms. To Messrs. Bennet, Desvignes, Hope, Little, Matthews, Newman, Rudd, Stephens, Walton and Waterhouse,

mine and the work's best thanks are due for the unlimited confidence with which they entrusted out of their own possession their several rarities, and which, I am happy to say, met in no instance with any casualty. To Mr. Curtis I am also indebted for my own means of examining and for Mr. Spry's liberty of delineating at his residence a form extant in no other British Collection; and likewise to the Officers of the Zoological Department of the British Museum for the urbanity with which they met and forwarded my objects in the several instances I had occasion to examine their rich stores. Having thus paid the debt of gratitude due for being enabled to complete within the short period of twelve months so extensive an undertaking, for which the praise must be bestowed upon the incessant and unflinching perseverance of Mr. Spry, it is next requisite to give some account of my own peculiar portion of the task, as editor.

The primary object was to produce a work that should be cheap as well as useful, and to compass the former it was not possible to introduce dissections of the parts of the mouth, which I freely admit are in many instances requisite to show the distinctive differences of certain genera where forms are closely allied, or where in long genera the species range divergently from the types. This would of course have incurred a great cost of time, the value of which must necessarily have been thrown upon the work, and which thus, although it would have acquired to a certain extent a greater degree of utility, would from the additional expense have limited considerably its circulation, for the Entomologists to whom a work of forms is most acceptable and useful are the young. A reciprocating task is therefore left to be performed between description and figure: to fulfil the former several English works already exist, and it would have intrenched considerably upon the property of those

works, (the entomological public being so small,) had the letter-press of the present extended to a full generic description, as I consider a synoptical description worse than useless. I therefore chose the only alternative of giving nothing more than an outline of my own views of the distribution of British Coleoptera, and a very brief specific description to exhibit the colouring of the species figured. And even had the generic descriptions been added and made full, it could not have precluded the necessity of occasionally referring to other works for information which it would not have contained without a seriously detrimental increase of bulk and cost; and I have, therefore, preferred making it supplemental to all works upon the subject, to which it will be found a desirable, important and even necessary auxiliary.

I have added a selection only of the foreign genera that have occurred in Britain: indeed, it was of but little moment if any of these were figured; but I did so, thinking it might be acceptable to many, although there can be scarcely a doubt that they have all been accidentally introduced. In the census of species I have exercised the discretion I thought requisite, either in limiting or interrogating the repletion with which our lists are swollen. Truth should be the object of all inquiries, and it is quite as prejudicial to the advance of science to exaggerate as it is to depreciate the extent of our natural productions.

W. E. SHUCKARD.

CHELSEA,
July, 1840.

CORRIGENDA.

Page 6.—Genus [44] and [50]. Transpose the names, both generic and specific, as [44] should be *Olisthopus*; and alter at Pl. 6, fig. 3, the name *Odontonyx* to *Olisthopus*. Subsequently to *Olisthopus* being figured I discovered that no insect had yet been found combining the characters of *Olisthopus*, in form and trophi, with the denticulated tarsi of *Taphria* (*Synuchus*). This Mr. Stephens has since admitted to me to have been an accidental error. I have therefore in Pl. 7 necessarily omitted *Odontonyx*, as not extant in nature, but have inserted its name to show that it is purposely left out.

Page 28.—Alter the numbering of fig. 6 into 8, 7 into 6, and 8 into 7.

Page 49.—Alter the reference of Genus [421], *Tenebrio*, to fig 3, instead of fig. 2; and the reference of the next genus [422], *Stene*, to fig. 4 instead of 3.

Note that *Stene* is identical with *Tribolium* figured in the Supplement, Pl. 2, fig. 5, which from haste I did not discover until too late to cancel it. *Tribolium* is the name therefore to be adopted, as it was described by Mr. Macleay in the "Annulosa Javanica" in 1825; and although not originally a native, as it now breeds here, like other domestic insects that have been introduced with merchandise, it may perhaps be admitted in our lists.

The genus *Ecanus* I have been obliged to omit, as I could not obtain either the unique British or even a foreign specimen of it.

The publication of Dr. Erichson's works since the commencement of the present have introduced several new genera amongst the Staphylinidæ, by the dismemberment of the old genera, *Anthobium* and *Lesteva*—the differences however lie chiefly in the trophi. I have therefore thought it not requisite to give figures of them, as I could not introduce them into their proper places.



BRITISH COLEOPTERA

DELINEATED

COLEOPTERA. LINNÆUS.

SECTION I. PENTAMERA. LATREILLE.

SUBDIVISION I. ADEPHAGA. CLAIRVILLE.

TRIBE I. GODEPHAGA. MACLEAY.

RACE I. EUPTERINA. KIRBY.

Family [1]. CICINDELIDÆ. Leach.

Genus [1]. *CICINDELA*. *Lin.* Three first joints of anterior tarsi dilated in the male. Seven species.

C. campestris, *Lin.* Above of a rich silky green; labrum white; margins of the head and thorax, sides of the breast, legs, and basal joints of antennæ of a copper red; five white spots on the external margins of each elytron, one of them humeral, a white spot on the disk opposite the third lateral one, and in addition in the female opposite the second lateral one, a minute black spot nearer the suture; five lines; sandy sunny situations. *Pl. 1, fig. 1.*

RACE II. EUTRECHINA. KIRBY.

Family [2]. BRACHINIDÆ. Macleay.

Genus [2]. *DRYPTA*. *Fab.* Three first joints of anterior tarsi dilated in the male. Six species.

D. emarginata, *Oliv.* Green inclining to a bright blue; antennæ (except the tip of their first joint) mandibles and legs red; head and thorax coarsely punctured, four lines; under stones. Southern coasts, rare. *Pl. 1, fig. 2.*

Genus [3]. *POLISTICHUS*. *Bonelli*. One species.

P. fasciolatus, *Rossi*. Pitchy brown, a short central stripe on each of the elytra, as well as the antennæ, legs and abdomen reddish; four and a half lines; under stones, eastern coasts. *Pl. 1, fig. 3.*

Genus [4]. *CYMINDIS*, *Latr.* Eight species.

C. angularis, *Gyll.* Pitchy: thorax ferruginous; humeral angles, and external margin of elytra, and the legs testaceous; four lines; under stones, Dorking. *Pl. 1, fig. 4.*

Genus [5]. *BRACHINUS*, *Web.* Five species.

B. crepitans, *Lin.* Ferruginous red; mouth and the third and fourth joints of antennæ pitchy; elytra black with a bluish or greenish tinge and subcostate; four lines; under stones. *Pl. 1, fig. 5.*

Genus [6]. *ODACANTHA*. *Payk.* One species.

O. melanura, *Lin.* Greenish blue; base of antennæ and palpi; legs (except their knees and tarsi which are black) and elytra testaceous, a bluish irregular patch at the apex of the latter; three lines; reeds, margins of marshes, Cambridge. *Pl. 1, fig. 6.*

Genus [7]. *DEMETRIAS*, *Bonelli*. Differs from *Dromius* by the penultimate joint of the tarsi being bilobate. Four species.

D. imperialis, *Meg.* Pale yellow-testaceous; head and knees black; elytra with a sutural pitchy mark dilated at the base and hastate at the apex, and another marginal one, on each side towards the apex; three lines; fens, Cambridge. *Pl. 1, fig. 7.*

Genus [8]. *DROMIUS*. *Bonelli*. Differs from *Demetrias* by the penultimate joint of the tarsi being simple. Twenty two species.

D. agilis, *Fab.* Reddish-pitchy; thorax and head rather the lightest; antennæ and legs testaceous; three lines; in moss and under bark. *Pl. 1, fig. 8.*

Genus [9]. *LEBIA*. *Latr.* Three species.

L. turcica, *Fab.* Black; the mouth, antennæ and thorax red; the elytra with a pale humeral mark; legs testaceous; two and a half lines; very rare. *Pl. 2, fig. 1.*

Genus [10]. *LAMPRIAS*. *Bonelli*. Four species.

L. chlorocephalus, *Ent. Heft.* Rich bluish green, bright and shining, antennæ pitchy, except their base, which with the thorax and legs (except the tarsi which are black) testaceous-red; two to three lines; broom. *Pl. 2, fig. 2.*

Family [3]. *SCARITIDÆ*. *Macleay*.

Genus [11]. *SCARITES*. *Fab.* One species.

S. Beckwithii, *Steph.* Entirely black; elytra striated; eight and a half lines; very rare; coasts. *Pl. 2, fig. 3.*

Genus [12]. *CLIVINA*. *Lat.* Two species.

C. fossor, *Lin.* Pitchy brown; antennæ and legs red; elytra punctato-striate; three and a half lines; humid situations. *Pl. 2, fig. 4.*

Genus [13]. *DYSCHIRIUS*. *Bonelli.* Sixteen species.

C. nitidus, *Dej.* Bronzy, shining, very smooth and convex; tibiæ ferruginous; two lines; marshy pastures. *Pl. 2; fig. 5.*

Family [4]. *HARPALIDÆ*. *Macleay.*

GROUP I. *HARPALINI*. *ERICHSON.*

Genus [14]. *SELENOPHORUS*. *Dej.* One species.

C. Scaritides, *Zieg.* Black and shining; antennæ and tarsi pitchy red; elytra striated; four lines; banks of Thames Gravesend. *Pl. 2, fig. 6.*

Genus [15]. *ANISODACTYLUS*. *Dej.* Two species.

A. binotatus, *Fab.* Black; two basal joints of antennæ ferruginous, tarsi pitchy red; five lines; under stones. *Pl. 2, fig. 7.*

Genus [16]. *DIACHROMUS*. *Erichs.* One species.

D. Germanus, *Lin.* Black, head, legs and elytra testaceous, the latter with a large blue spot at the apex; thorax with a bluish tinge; four lines; Devonshire, rare. *Pl. 2, fig. 8.*

Genus [17]. *HARPALUS*. *Latr.* Fifty-one species.

H. ruficornis, *Fab.* Pitchy black; legs and antennæ red; elytra pubescent; five to seven lines; common. *Pl. 3, fig. 1.*

Genus [18]. *ACTEPHILUS*. *Steph.* Two species.

A. pumilus, *Stur.* Pitchy black; antennæ at the base and the palpi reddish; three and a half lines; banks of Thames, rare. *Pl. 3, fig. 2.*

Genus [19]. *OPHONUS*. *Zieg.* Differs chiefly from *Harpalus*, by its densely punctured surface. Fifteen species.

O. obscurus, *Fab.* Black; elytra with a bluish tinge; antennæ and legs ferruginous; 5—6 lines; under stones, humid situations. *Pl. 3, fig. 3.*

Genus [20]. *STENOLOPHUS*. *Dej.* Four species.

S. vaporariorum, *Fab.* Pitchy black shining; two basal joints of antennæ; thorax; humeral angles of elytra and legs testaceous; two and a half to three and a half lines; humid situations. *Pl. 3, fig. 4.*

Genus [21]. *MASOREUS*. *Dej.* One species.

M. Wetterhallii, *Gyll.* Pitchy black, shining; antennæ and legs red; base of elytra, reddish brown; two and a half lines; under stones in estuaries. *Pl. 3, fig. 5.*

GROUP II. PÆCILINI. SHUCKARD.

Genus [22]. *POGONUS*. *Zieg.* Four species.

P. Burrellii, *Curt.* Greenish bronzy; antennæ fuscous; elytra ochraceous; legs testaceous; four lines; coasts of Norfolk. *Pl. 3, fig. 6.*

Genus [23]. *PÆCILUS*. *Bonelli.* Four species.

P. dimidiatus, *Fab.* Black; head and thorax with a rich coppery-red tinge; elytra silky green; six lines; sandy heaths. *Pl. 3, fig. 7.*

Genus [24]. *Sogines punctulatus* is not British and therefore not figured here.

Genus [25]. *OMASEUS*. *Zieg.* Eleven species.

O. melanarius, *Illig.* Atrous black and shining; 7—9½ lines; common beneath stones in gardens. *Pl. 3, fig. 8.*

Genus [26]. *ARGUTOR*. *Megerle.* Nine species.

A. inequalis, *Marsh.* Atrous black and shining; three lines; under stones on the banks of the Thames. *Pl. 4, fig. 1.*

Genus [27]. *PLATYDERUS*. *Steph.* One species.

P. ruficollis, *Marsh.* Pitchy red, shining; thorax and legs rather paler; 3—4 lines; under moss, roots of trees. *Pl. 4, fig. 2.*

Genus [28]. *STEROPUS*. *Megerle.* Four species.

S. madidus, *Fab.* Pitchy black, shining; femora either red or black; 6½—8 lines; common. *Pl. 4, fig. 3.*

Genus [29]. *BROSCUS*. *Panz.* One species.

B. cephalotes, *Lin.* Atrous; head and thorax shining; 8½—10½ lines; sandy coasts. *Pl. 4, fig. 4.*

Genus [30]. *MISCODERA*. *Esch.* One species.

M. arctica, *Payk.* Aeneous, very shining and very convex; legs red; three and a half lines; north of England. *Pl. 4, fig. 5.*

Genus [31]. *STOMIS*. *Clairville.* One species.

S. pumicatus, *Panz.* Pitchy black; antennæ and legs red; three and a half lines; under leaves and felled timber. *Pl. 4, fig. 6.*

Genus [32]. *PATROBUS*. *Megerle.* Two species.

P. excavatus, *Payk.* Pitchy black; legs reddish; four lines; coasts. *Pl. 4, fig. 7.*

Genus [33]. *PTEROSTICHUS*. *Bonelli.* One species.

P. parumpunctatus, *Germ.* Atrous, shining; apex of anten-

næ pitchy; seven and a half lines; Newcastle, under stones. *Pl. 4, fig. 8.*

Genus [34]. *ADELOSIA. Steph.* Two species.

A. oblongopunctata, Fab. Pitchy black, very depressed; legs pitchy red; six lines; humid situations. *Pl. 5, fig. 1.*

Genus [35]. *PLATYSMA. Bonelli.* One species.

P. nigrum, Fab. Deep black; 9—11 lines, gardens and woods. *Pl. 5, fig. 2.*

Genus [36]. *ABAX. Bon.* One species.

A. striola, Fab. Deep black, shining in the male, elytra obscure in the female; $8\frac{1}{2}$ —10 lines; under stones. *Pl. 5, fig. 3.*

GROUP III. AMARINI. SHUCKARD.

Genus [37]. *AMARA. Bon.* Eighteen species.

A. acuminata, Payk. Æneous, coppery, or black; base of antennæ fulvous; 4—6 lines; pastures and fields. *Pl. 5, fig. 4.*

Genus [38]. *CELIA. Erichs.* Differs from *Amara* by the mentum tooth being emarginate, and the posterior tibiæ of the male glabrous. Three species.

C. ingenua, Duft. Fusco-æneous; antennæ and legs red; four lines; rare. *Pl. 5, fig. 5.*

Genus [39]. *ACRODON. Zimmerm.* Differs from *Amara* chiefly by the mentum tooth being very acute, and the posterior tibiæ of the male only slightly pilose. One species.

A. brunnea, Gyll. Fusco-æneous; antennæ and legs red; two and a half lines; in woods. *Pl. 5, fig. 6.*

Genus [40]. *BRADYTUS. Steph.* Seven species.

B. fulvus, De Geer. Entirely fulvous; elytra with an opaque line tinge; four lines; sandy situations. *Pl. 5, fig. 7.*

Genus [41]. *CURTONOTUS. Steph.* Three species.

C. convexusculus, Marsh. Pale pitchy; antennæ and legs fulvous; elytra slightly æneous; five and a half lines; shores on the coasts. *Pl. 5, fig. 8.*

Genus [42]. *ZABRUS. Clairville.* One species.

Z. gibbus, Fab. Black, very convex; antennæ and tibiæ pitchy; $6-7\frac{1}{2}$ lines; corn fields. *Pl. 6, fig. 1.*

GROUP IV. ANCHOMENINI. ERICHSON.

Genus [43]. *CALATHUS. Bonelli.* Eleven species.

C. Cisteloides, Lin. Entirely black; $5-6\frac{1}{2}$ lines; common. *Pl. 6, fig. 2.*

- Genus [44]. *Odontonyx*, ^{*Olisthopus*, Dej.} ~~Steph.~~ One species.
O. rotundicollis, Marsh. Pitchy æneous; base of antennæ and legs testaceous; three and a half lines; fields. *Pl. 6, fig. 3.*
- Genus [45]. *TAPHRIA*. *Bonelli*. One species.
T. vivalis, Panz. Black; antennæ and legs red; four lines; humid woods. *Pl. 6, fig. 4.*
- Genus [46]. *PRISTONYCHUS*, *Dej.* Differs from *Sphodrus* by its claws being serrated at the base within, and posterior trochanters of the male not produced. One species.
P. subcyaneus, Illig. Pitchy black; elytra with a violet tinge; antennæ and legs sometimes paler; 7—8 lines; damp cellars. *Pl. 6, fig. 5.*
- Genus [47]. *SPHODRUS*. *Clairv.* Differs from *Pristonychus* by the claws being simple and not serrated, and the posterior trochanters of the male produced into a long spine. One species.
S. leucophthalmus, Lin. Opaque black; 10—11½ lines, damp cellars. *Pl. 6, fig. 6.*
- Genus [48]. *PLATYNUS*. *Bonelli*. One species.
P. angusticollis, Fab. Entirely of a bright shining black; six lines; woods, roots of trees. *Pl. 6, fig. 7.*
- Genus [49]. *AGONUM*. *Bonelli*. Thirty species.
A. marginatum, Lin. Coppery green or reddish above; margin of elytra and tibiæ testaceous; 4—5 lines; banks of ponds and marshy places, common. *Pl. 6, fig. 8.*
- Genus [50]. *Odontonyx*, ^{*Olisthopus*, Dej.} ~~Steph.~~ One species.
O. rotundatus, Payk. Fusco-æneous; antennæ and legs testaceous; three and a half lines; corn fields. *Pl. 7, fig. 1.*
- Genus [51]. *ANCHOMENUS*. *Bonelli*. Three species.
A. prasinus, Fab. Red; head, thorax and a large common patch, at the apex of the elytra, green; antennæ fuscous from the base; three and a half lines; fields. *Pl. 7, fig. 2.*

GROUP V. TRECHINI. SHUCK.

- Genus [52]. *Aëpus*. *Leach*. One species.
A. fulvescens, Leach. Entirely pale testaceous; flat and shining; one line; under stones below high water mark. *Pl. 7, fig. 3.*
- Genus [53]. *EPAPHIUS*. *Leach*. One species.
E. secalis, Payk. Ferrugineous; shining; antennæ fuscous, legs testaceous; eastern coasts. *Pl. 7, fig. 4.*
- Genus [54]. *BLEMUS*. *Ziegl.* Six species.

B. discus, *Fab.* Red testaceous; legs paler; elytra with a dark cloud across their centre; two and a half lines; roads and gardens. *Pl. 7, fig. 5.*

Genus [55]. *BRADYCELLUS. Erichson.* Six species.

B. dorsalis, *Lin.* Testaceous; head black; and a large common patch on the elytra pitchy; antennæ except the base fuscous; two lines; humid situations. *Pl. 7, fig. 6.*

Genus [56]. *TRECHUS. Clairville.* Eleven species.

T. meridianus, *Lin.* Pitchy black; the base and suture of the elytra as well as the legs testaceous; one and a half lines; marshy places. *Pl. 7, fig. 7.*

GROUP VI. LICININI. ERICH.

Genus [57]. *CALLISTUS. Bonelli.* One species.

C. lunatus, *Fab.* Black head with a greenish tinge; thorax red; elytra with a double testaceous cross; legs also testaceous except the knees of the femora which are black; three and a half lines; chalky downs. *Pl. 8, fig. 1.*

Genus [58]. *OODES. Bonelli.* One species.

O. helopoides, *Fab.* Entirely black; four and a half lines; marshy situations. *Pl. 8, fig. 2.*

Genus [59]. *CHLÆNIUS. Bonelli.* Six species.

C. vestitus, *Fab.* Greenish coppery above; antennæ, margin and apex of elytra and legs testaceous; 5—6 lines humid situations. *Pl. 8, fig. 3.*

Genus [60]. *EPOMIO. Bonelli.* One species.

E. circumscriptus, *Duft.* Head and thorax with a green reflection; elytra black their margin and the legs testaceous; eight lines....? a very doubtful native. *Pl. 8, fig. 4.*

Genus [61]. *LICINUS. Latr.* Two species.

L. silphoides, *Fab.* Entirely obscure black; 6—7 lines; chalky downs. *Pl. 8, fig. 5.*

Genus [62]. *BADISTER. Clairville.* Three species.

B. bipustulatus, *Fab.* Red-testaceous; very shining, head, middle of antennæ and a waved band constricted at the suture crossing the elytra just beyond the middle; all black; elytra with an opaline reflection; three and a half lines; marshy places. *Pl. 8, fig. 6.*

Genus [63]. *TRIMORPHUS. Steph.* Three species.

T. scapularis, *Steph.* Pitchy black; narrow edge of thorax humeral angles of elytra and legs testaceous; 3—4 lines; woody places, roots of trees. *Pl. 8, fig. 7.*

Genus [64]. *PANAGÆUS. Latr.* Two species.

P. crux-major, *Lin.* Deep black; elytra red with a cross and the apex black; four lines; woods and fens. *Pl. 9, fig. 1.*

Genus [65]. *LORICERA*. *Latr.* One species.

L. pilicornis, *Fab.* Bronzy above; tibiæ and tarsi piceous; three and a half lines; about roots of trees. *Pl. 9, fig. 2.*

Family [5]. *CARABIDÆ*. *Macleay.*

Genus [66]. *LEISTUS*. *Fröl.* Eight species.

L. spinibarbis, *Fab.* Steely blue above; mouth, antennæ, tibiæ and tarsi pitchy; 4—5 lines; under stones and sticks in hedges. *Pl. 9, fig. 3.*

Genus [67]. *HELOBIA*. *Leach.* Seven species.

H. brevicollis, *Fab.* Black; legs and antennæ pitchy; 5—6 lines; common. *Pl. 9, fig. 4.*

Genus [68]. *NEBRIA*. *Latr.* Three species.

N. complanata, *Lin.* Testaceous; elytra maculated with black, usually in two broad irregular, laterally abbreviated bands; the colour frequently suffused; 8—9 lines; shores, especially those of the British Channel. *Pl. 9, fig. 5.*

Genus [69]. *PELOPHILA*. *Dej.* One species.

P. borealis, *Fab.* Æneous; legs red; seven lines; Ireland. *Pl. 9, fig. 6.*

Genus [70]. *CALOSOMA*. *Fab.* Two species.

C. inquisitor, *Lin.* Coppery or æneous above; margin of elytra green; legs and antennæ black; 8—10 lines; trees, Hainault forest. *Pl. 10, fig. 1.*

Genus [71]. *CARABUS*. *Lin.* Sixteen species.

C. catenulatus, *Fab.* Black; the thorax and margins of elytra violaceous; 10—12 lines; sandy places, common. *Pl. 10, fig. 2.*

Genus [72]. *CYCHRUS*. *Fab.* One species.

C. rostratus, *Lin.* Entirely black; nine lines; hollow trees and under leaves in woods. *Pl. 10, fig. 3.*

Family [6]. *ELAPHRIDÆ*. *Stephens.*

Genus [73]. *ELAPHRUS*. *Fab.* Four species.

E. cupreus, *Meg.* Entirely bronzy; four lines; humid places. *Pl. 10, fig. 4.*

Genus [74]. *BLETHISA*. *Bonelli.* One species.

B. multi-punctata, *Lin.* Bronzy; very shining; legs black; six lines; marshes. *Pl. 10, fig. 5.*

Genus [75]. *NOTIOPHILUS*. *Dumeril.* Eighteen species?

N. aquaticus, *Lin.* Æneous, brilliant shining; two and a half lines; marshes. *Pl. 10, fig. 6.*

Family [7]. BEMBIDIIDÆ. Stephens.

- Genus [76]. BEMBIDIUM. *Latr.* Four species.
B. paludosum, *Panz.* Entirely obscure bronzy; $2\frac{1}{2}$ lines; fenny situations. *Pl.* 11, *fig.* 1.
- Genus [77]. TACHYPUS. *Megerle.* Eight species.
T. pallidipennis, *Illig.* Head and thorax cupreus; legs and elytra testaceous, the latter with a fuscous angulated band, just beyond the middle; two lines; coasts and estuaries. *Pl.* 11, *fig.* 2.
- Genus [78]. NOTAPHUS. *Megerle.* Ten species.
N. undulatus, *Sturm.* Head and thorax blackish-æneous; antennæ, legs and elytra brown; the latter with a waved pale fascia towards the apex; $2\frac{1}{2}$ —3 lines; humid situations. *Pl.* 11, *fig.* 3.
- Genus [79]. LOPHA. *Megerle.* Fourteen species.
L. quadriguttata, *Fab.* Blackish-æneous, shining; the elytra with four pale spots, two humeral and two just beyond the middle, placed externally; tibiæ and tarsi testaceous, terminal joints of the latter black; $2\frac{1}{4}$ lines; humid places. *Pl.* 11, *fig.* 4.
- Genus [80]. PERYPHUS. *Megerle.* Twenty-two species.
C. concinnus, *Kirb.* Head and thorax æneous; base of antennæ, legs and elytra testaceous, the latter with a central diamond shaped black mark; $2\frac{1}{2}$ lines; humid situations. *Pl.* 11, *fig.* 5.
- Genus [81]. OCYS. *Kirby.* Three species.
O. tempestivus, *Panz.* Ferruginous, head and thorax rather paler; antennæ and legs testaceous; $2\frac{1}{4}$ lines; beneath the bark of trees. *Pl.* 11, *fig.* 6.
- Genus [82]. PHILOCHTHUS. *Stephens.* Six species.
P. Doris, *Marsh.* fuscipes, *Dej.* Blackish-æneous; elytra with the apex pale; legs ferruginous; two lines; humid places. *Pl.* 11, *fig.* 7.
- Genus [83]. TACHYS. *Meg.* Nine species.
T. obtusus, *Stur.* Pitchy black; antennæ fuscous; their base and the legs pitchy red; $1\frac{1}{2}$ line; banks of ponds, common. *Pl.* 12, *fig.* 1.
- Genus [84]. CILLENUM. *Leach.* One species.
C. laterale, *Leach.* Coppery, shining; antennæ fuscous; their base and the legs testaceous; elytra ochraceous, with an æneous reflection; two lines; coasts under stones. *Pl.* 12, *fig.* 2.
- Genus [85]. LYMNÆUM. *Steph.* Three species.
L. depressum, *Curt.* Pitchy black; antennæ fuscous; with

their base and the legs fulvous; $1\frac{1}{4}$ line; coasts, Lancashire. *Pl.* 12, *fig.* 3.

TRIBE II. HYDRADEPHAGA. MACLEAY.

RACE I. EUNECHINA. KIRB. and Sp.

Family [8]. DYTISCIDÆ. Leach.

SUBFAMILY I. HALIPLITES. SHUCKARD.

GROUP I. HALIPLINI. ERICHSON.

Genus [86]. *HALIPLUS*. *Latr.* Differs from *Cnemidotus*, by the terminal joint of palpi being subulated, and the plate of the coxæ leaving three segments of the venter exposed. Fifteen species.

H. ferrugineus, *Lin.* Entirely ferruginous-red; the legs slightly paler; $2-2\frac{1}{2}$ lines; ditches and ponds, common. *Pl.* 12, *fig.* 4.

Genus [87]. *CNEMIDOTUS*. *Illig.* Differs from *Haliplus*, by the terminal joint of palpi being conic acute, and the plate of the coxæ leaving only one segment of the venter exposed. One species.

C. cæsus, *Duft.* Yellow-testaceous; the elytra with successive rows of black punctures, which decrease in size to the apex; legs fulvous; about two lines; ponds and ditches. *Pl.* 12, *fig.* 5.

GROUP II. PELOBIINI. ERICHSON.

Genus [88]. *PELOBIUS*. *Schön.* One species.

P. Hermannii, *Fab.* Fulvous; thorax with the base and apex, and the elytra with a large black irregular common patch on the disk, red; legs testaceous; five lines; ponds and ditches. *Pl.* 12, *fig.* 6.

SUBFAMILY II. DYTISCITES. SHUCKARD.

GROUP I. HYDROPORINI. ERICHSON.

Genus [89]. *HYPHYDRUS*. *Illig.* One species.

H. ovatus, *Lin.* Pale ferruginous; the elytra more obscure; two lines; ponds and ditches, common. *Pl.* 12, *fig.* 7.

Genus [90]. *HYGROTUS*. *Steph.* Ten species.

H. confluens, *Fab.* Testaceous; head slightly darker, with the occiput black or dusky; elytra with five black, longitudinal, parallel lines, the first and third from the suture abbreviated in front, and all confluent behind; $1\frac{3}{4}$ line; common. *Pl.* 13, *fig.* 1.

Genus [91]. *HYDROPORUS*. *Clairv.* Forty-four species.

H. 12. pustulatus, *Fab.* Ochraceous, the thorax with a basal bilobate, black mark; elytra also black and each with six pale spots, three sutural and three marginal; three lines; ponds and ditches. *Pl.* 13, *fig.* 2.

GROUP II. COLYMBETINI. ERICHSON.

Genus [92]. *NOTERUS*. *Clairv.* Two species.

N. crassicornis, *Fab.* Ferruginous; elytra darker, with their margin pale; $2\frac{1}{2}$ lines; ponds and ditches. *Pl.* 13, *fig.* 3.

Genus [93]. *LACCOPHILUS*. *Leach.* Two species.

L. minutus, *Lin.* Testaceous-yellow; the elytra fuscous with the margin and some irregular discoidal spots, paler; two lines; ponds and ditches. *Pl.* 13, *fig.* 4.

Genus [94]. *AGABUS*. *Leach.* Twenty-nine species. In the type only are the antennæ in the male serrated; in the female the antennæ and feet are always simple. The genus is also divided into sections and subsections from the acetabula of the underside of the male anterior tarsi and the ciliation of their posterior tarsi.

A. serricornis, *Payk.* Pitchy; the lateral margins of the thorax and elytra rusty red; six lines; very rare, Shropshire. *Pl.* 13, *fig.* 5.

Genus [95]. *ILYBIUS*. *Erchs.* Six species.

I. ater, *Fab.* Black, subæneous, the external margins reddish brown; the elytra with two pale pellucid spots; six lines; common. *Pl.* 13, *fig.* 6.

Genus [96]. *COLYMPETES*. *Clairv.* Six species. Anterior tarsi of male with three dilated joints.

C. striatus, *Lin.* Fuscous; thorax ferruginous, black in the centre; margins of elytra testaceous and legs black; eight lines; ponds and ditches, common. *Pl.* 14, *fig.* 1.

GROUP III. DYTISCINI. ERICHSON.

Genus [97]. *DYTISCUS*. *Lin.* Five species. In the female anterior tarsi simple, and elytra usually furrowed longitudinally.

D. circumflexus, *Fab.* Olivaceous; margins of thorax, lateral margins of elytra, and legs externally, testaceous; posterior tarsi black; one inch and four lines; ponds, London, common. *Pl.* 14, *fig.* 2.

Genus [98]. *HYDATICUS.* *Leach.* Four species. Tarsi in the female simple.

H. transversalis, *Fab.* Pitchy black; with the face in front, thorax, excepting a patch at the base, lateral margins, and an abbreviated, transverse, sinuated line at the base of the suture all ferruginous; legs pitchy red; $2\frac{1}{2}$ lines; ponds. *Pl.* 14, *fig.* 3.

Genus [99]. *ACILIUS.* *Leach.* Two species. In female anterior tarsi simple, and elytra longitudinally furrowed.

A. sulcatus, *Lin.* Fuscous; the mouth and the margins, and central transverse fascia of the thorax yellowish; legs testaceous; their tarsi ferruginous; 6—9 lines; very common; ponds. *Pl.* 14, *fig.* 4.

Genus [100]. *CYBISTER.* *Curt.* One species. Tarsi in female simple.

C. Roeselii, *Fab.* Olive black, face in front, and lateral margins of thorax and elytra; dirty testaceous; legs testaceous; posterior tibiae and tarsi pitchy; one inch and one line; ponds, very rare. *Pl.* 14, *fig.* 5.

RACE II. GYRONECHINA. KIRB. AND SP.

Fam. [9]. GYRINIDÆ. Leach.

Genus [101]. *GYRINUS.* *Lin.* Eight species.

G. natator, *Lin.* Glossy blue black; mouth rufescent; legs pale ferruginous; three lines; ponds and ditches, common. *Pl.* 13, *fig.* 7.

Genus [102]. *ORETOCHILUS.* *Esch.* One species. In female the tarsi simple.

O. villosus, *Fab.* Olivaceous, villose; antennae ferruginous; legs testaceous; three lines, running streams, uncommon. *Pl.* 13, *fig.* 8.

SUBDIVISION II. BRACHELYTRA. LATR.

Fam. [10]. OMALIDÆ. Macleay.

Genus [103]. *LESTEA.* *Latr.* Fourteen species.

- L. caraboides*, *Lin.* Reddish testaceous; elytra and legs pale testaceous; two lines; northern counties. *Pl.* 15, *fig.* 1.
- Genus [104]. *CORYPHIUM*. *Kirb.* One species.
- C. angusticolle*, *Kirb.* Black, slightly shining; the base of the antennæ and legs testaceous; $1\frac{1}{4}$ line; meadows by sweeping. *Pl.* 15, *fig.* 2.
- Genus [105]. *ACIDOTA*. *Kirb.* Two species.
- A. crenata*, *Fab.* Black; sides of thorax, elytra and legs brown; three lines; Scotland. *Pl.* 15, *fig.* 3.
- Genus [106]. *OMALIUM*. *Grav.* Thirty species.
- O. planum*, *Payk.* Black; base of antennæ, elytra and legs testaceous-brown; $1\frac{1}{4}$ line; meadows by sweeping. *Pl.* 15, *fig.* 4.
- Genus [107]. *MICRALYMMA*. *Westw.* One species.
- M. Johnstonis*, *Westw.* Entirely black; $1\frac{1}{4}$ line; Scotland. *Pl.* 15, *fig.* 5.
- Genus [108]. *ANTHOBIUM*. *Leach.* Twenty-one species.
- A. melanocephalum*, *Marsh.* Yellow testaceous; head dusky; $1\frac{1}{4}$ line; meadows by sweeping. *Pl.* 15, *fig.* 6.
- Genus [109]. *SYNTOMIUM*. *Curt.* One species.
- S. nigro-æneum*, *Curt.* Blackish æneous; legs and antennæ pitchy; not quite a line long; grassy places by sweeping. *Pl.* 15, *fig.* 7.
- Genus [110]. *PROTEINUS*. *Latr.* Three species.
- P. brachypterus*, *Payk.* Atrous; basal joint of antennæ, palpi and legs testaceous; not quite a line long; putrid fungi. *Pl.* 15, *fig.* 8.
- Genus [111]. *MEGARTHURUS*. *Kirb.* Seven species.
- M. rufescens*, *Kirb.* Reddish pitchy; antennæ, lateral margins of thorax and legs red; abdomen black; about a line long; putrid fungi. *Pl.* 16, *fig.* 1.
- Genus [112]. *PSEUDOPSIS*. *Newm.* One species.
- P. sulcatus*, *Newm.* Black; mouth, antennæ and legs fuscous; $1\frac{1}{2}$ line; Isle of Wight. *Pl.* 16, *fig.* 2.
- Genus [113]. *COPROPHILUS*. *Latr.* One species.
- C. striatulus*, *Fab.* Black; legs and antennæ pitchy; $2\frac{1}{2}$ lines; gardens, roads, and meadows. *Pl.* 16, *fig.* 3.
- Genus [114]. *TÆNOSOMA*. *Mannerheim.* One species.
- T. pusillum*, *Knoch.* Black; antennæ, elytra and legs testaceous; two thirds of a line; rare. *Pl.* 16, *fig.* 4.
- Genus [115]. *PHLÆOCHARIS*. *Mann.* One species.
- P. subtilissima*, *Mann.* Pitchy black, pubescent; antennæ and legs fuscous; one line long; beneath bark; rare. *Pl.* 16, *fig.* 5.

Family [11]. OXYTELIDÆ. Shuck.

Genus [116]. TROGOPHLEUS. *Mann.* Nine species.

T. corticinus, *Grav.* Pitchy black; base of antennæ, tibiæ and tarsi red; $1\frac{1}{4}$ line; beneath bark; rare. *Pl.* 16, *fig.* 6.

Genus [117]. AFLODERUS. *Steph.* One species.

A. brachypterus, *Mann.* Black; antennæ, elytra and apex of abdomen reddish; legs testaceous; $2\frac{1}{4}$ lines; meadows by sweeping. *Pl.* 16, *fig.* 7.

Genus [118]. OXYTELUS. *Grav.* Sixteen species.

O. carinatus, *Grav.* Black; tibiæ and tarsi testaceous; nearly two lines; dung of horses; very common. *Pl.* 16, *fig.* 8.

Genus [119]. PLATYSTETHUS. *Mann.* Nine species. Head and thorax smaller and less robust in the female.

P. morsitans, *Payk.* Black and shining; elytra and legs pitchy; $1\frac{1}{2}$ line; spring, dung of horses; common. *Pl.* 17, *fig.* 1.

Genus [120]. PHYTOSUS. *Rudd.* One species. Elytra longer and wider than the thorax in the female.

P. spinifer, *Rudd.* Male. Head and abdomen, except its apex, pitchy black; antennæ, thorax, elytra, legs and apex of abdomen reddish. Female, black, with the mouth, antennæ and legs pitchy; $\frac{3}{4}$ — $1\frac{1}{4}$ line; beneath marine rejectamenta; Ryde, Isle of Wight. *Pl.* 17, *fig.* 2.

Genus [121]. HESPEROPHILUS. *Steph.* Five species.

H. fracticornis, *Payk.* Black; base of antennæ and legs reddish; $2\frac{1}{2}$ lines; sandy coasts. *Pl.* 17, *fig.* 3.

Genus [122]. BLEDIUS. *Leach.* Three species. Thorax unarmed in the female.

B. tricornis, *Payk.* Black; elytra and apex of abdomen castaneous and legs pitchy; three lines; banks of ponds and brooks. *Pl.* 17, *fig.* 4.

Family [12]. STENIDÆ. Macleay.

Genus [123]. STENUS. *Latr.* Sixty four species.

S. biguttatus, *Lin.* Black, shining, with an æneous reflection, the elytra having each a central fulvous spot; $2\frac{1}{2}$ lines; banks of ponds. *Pl.* 17, *fig.* 5.

Genus [124]. DIANOUS. *Leach.* One species.

D. cærulescens, *Gyll.* Black, shining, with a bluish tinge, each of the elytra with a central fulvous spot; $2\frac{1}{2}$ lines; humid situations in damp moss. *Pl.* 17; *fig.* 6.

Genus [125]. *PÆDERUS*. *Fab.*

P. riparius, *Lin.* Black; elytra bluish; thorax, four first segments of abdomen, mesosternum and legs red; knees of the femora and the antennæ black, the base of the latter testaceous; $3\frac{1}{2}$ lines; humid situations. *Pl.* 17, *fig.* 7.

Genus [126]. *RUGILUS*. *Leach.* (*STILICUS*, *Latr.*) Four species.

R. orbiculatus, *Payk.* Black, thorax with a central longitudinal carina; elytra with the apex pitchy and the legs testaceous; two lines; by sweeping; not uncommon. *Pl.* 17, *fig.* 8.

Genus [127]. *ASTENUS*. *Dej.* Five species.

A. angustatus, *Fab.* Black; with the mouth, antennæ, legs and apex of the elytra testaceous; $1\frac{3}{4}$ line; by sweeping humid meadows; not uncommon. *Pl.* 18, *fig.* 1.

Genus [128]. *SUNIUS*. *Leach.* Four species.

S. melanocephalus, *Fab.* Black, much punctured; antennæ, thorax and legs fulvous; $1\frac{3}{4}$ line; beneath stones on heaths. *Pl.* 18, *fig.* 2.

Genus [129]. *EYÆSTHETUS*. *Grav.* One species.

E. scaber, *Grav.* Pitchy black opaque, head and legs red; one line; beneath bark. *Pl.* 18, *fig.* 3.

Genus [130]. *MEDON*. *Steph.* (*LITHOCARIS*, *Erichs.*) Two species.

M. Ruddii, *Steph.* Black and shining; antennæ, mouth, elytra, legs and apex of the abdomen red; $3\frac{1}{4}$ lines; New Forest. *Pl.* 18, *fig.* 4.

The second species hitherto unrecorded is *M. ochraceus*, *Erichs.*

Family [13]. *STAPHYLINIDÆ*. *Leach.*Genus [131]. *SIAGONIUM*. *Kirby and Spence.* One species.

In the female the head is narrower and not cornuted.

S. quadricorne, *K. and S.* Pitchy black shining, antennæ, legs, an oblique mark on the elytra, and the apex of the abdomen reddish: or sometimes, entirely reddish; $2-2\frac{1}{2}$ lines; under the bark of elms. *Pl.* 18, *fig.* 5.

Genus [132]. *ACHENIUM*. *Leach.* One species.

A. depressum, *Grav.* Very depressed, black; antennæ pitchy; legs and terminal half of the elytra red; $3\frac{1}{2}$ lines; banks of ponds, Battersea. *Pl.* 18, *fig.* 6.

Genus [133]. *CRYPTOBIUM*. *Mann.* One species.

C. fracticorne, *Payk.* Black and shining; legs testaceous; $2\frac{1}{2}$ lines; Battersea fields, rare. *Pl.* 18, *fig.* 7.

- Genus [134]. *LATHROBIUM*. *Grav.* Fourteen species.
L. elongatum, *Lin.* Black; antennæ, legs and terminal half of elytra, pitchy red; four lines; common. *Pl.* 18, *fig.* 8.
- Genus [135]. *GYROHYPNUS*. *Kirby.* Twenty species.
G. cruentatus, *Marsh.* Atrous shining; elytra red; six lines; common. *Pl.* 19, *fig.* 1.
- Genus [136]. *OTHIUS*. *Leach.* Eleven species.
O. fulgidus, *Payk.* Black; antennæ, elytra, apex of abdomen and legs red; five lines; gardens and roads. *Pl.* 19, *fig.* 2.
- Genus [137]. *GABRIUS*. *Leach.* Thirteen species.
G. suaveolens, *Kirby.* Black and shining; elytra opaque; antennæ pitchy; their base as well as the palpi and legs testaceous; $2\frac{1}{2}$ lines; beneath rejectamenta, Norfolk. *Pl.* 19, *fig.* 3.
- Genus [138]. *CAFIUS*. *Leach.* Five species.
C. fucicola, *Leach.* Opaque black; legs slightly pitchy; two to four lines; beneath marine rejectamenta. *Pl.* 19, *fig.* 4.
- Genus [139]. *BISNIUS*. *Leach.* Five species.
B. cephalotes, *Grav.* Black; elytra æneous; thorax and legs pitchy; $2\frac{3}{4}$ lines; Norfolk. *Pl.* 19, *fig.* 5.
- Genus [143]. *HETEROTHOPS*. *Kirby.* Three species.
H. binotatus, *Kirby.* Black and shining; base of antennæ, and legs pitchy; $2\frac{1}{4}$ lines; coasts, beneath marine rejectamenta. *Pl.* 19, *fig.* 6.
- Genus [141]. *RAPHIRUS*. *Leach.* Thirteen species.
R. semiobscurus, *Marsh.* Black, head and thorax shining; antennæ and legs fulvous; $3\frac{1}{4}$ lines; beneath rejectamenta. *Pl.* 19, *fig.* 7.
- Genus [142]. *PHILONTHUS*. *Leach.* Forty eight species.
P. politus, *Lin.* Blackish æneous; abdomen entirely black; head and thorax shining; $3\frac{1}{2}$ —5 lines; very common. *Pl.* 19, *fig.* 8.
- Genus [143]. *QUEDIUS*. *Leach.* Thirty-eight species. Differs from *Euryporus*, *Ericks.* by the palpi being filiform.
Q. tristis, *Grav.* Pitchy black; antennæ and legs pitchy red; $5\frac{1}{2}$ lines; under stones, common. *Pl.* 20, *fig.* 1.
- Genus [144]. *ASTRAPÆUS*. *Grav.* One species. Has the terminal joint of all the palpi securiform.
A. Ulmi, *Rossi.* Black, with the base of the antennæ, labrum, margin of the clypeus, elytra and penultimate segment of the abdomen red; tibiæ and tarsi pitchy; five lines; beneath the bark of elms, rare. *Pl.* 20, *fig.* 2.

Genus [145]. *OXYPORUS*. *Fab.* Two species. Has the terminal joint of maxillary palpi ovate, and of the labial lunate.

O. rufus, *Lin.* Red; with the head, elytra, except their humeral angles, base of the femora and apex of the abdomen black; four lines; in boleti in the autumn; not uncommon. *Pl.* 20, *fig.* 3.

Genus [146]. *TASGIUS*. *Leach.* Two species. Has the terminal joint of labial palpi only, securiform.

T. rufipes, *Latr.* Pitchy opaque black; with the base and apex of the antennæ and legs red; seven lines; in sand pits; Hampstead, rare. *Pl.* 20, *fig.* 4.

Genus [147]. *OCCYPUS*. *Kirb.* Five species. Has the mandibles edentate and terminal joint of all the palpi truncated.

O. similis, *Oliv.* Pitchy black opaque; head and thorax with an æneous reflection, and anterior tarsi, reddish, pitchy; seven lines; sand pits on heaths; common. *Pl.* 20, *fig.* 5.

Genus [148]. *EURYPORUS*. *Erichs.* (*Pelecyporus*, *Nordm.*)

One species. Differs from *Quedius* by the terminal joint of the labial palpi being securiform, and from *Tasgius* by the terminal joint of the maxillary palpi being acuminate.

E. picipes, *Gyll.* Black and shining; the mouth and base of the antennæ red; legs pitchy red; beneath the bark of trees; rare. *Pl.* 20, *fig.* 6.

Genus [149]. *GOERIUS*. *Leach.* Eight species.

G. olens, *Müll.* Entirely black, opaque and pubescent; 8—15 lines; common; gardens and pathways. *Pl.* 20, *fig.* 7.

Genus [150]. *STAPHYLINUS*. *Linn.* Twelve species.

S. erythropterus, *Linn.* Black; with the base of the antennæ, elytra and legs reddish-testaceous; a patch on each side of the head above the insertion of the antennæ, posterior margin of the thorax, and of the first segment of the abdomen, and a triangular spot on each side, at the base of the three following, of a rich golden pubescence; 6—9 lines; common; sandy situations. *Pl.* 20, *fig.* 8.

Genus [151]. *EMUS*. *Leach.* One species.

E. hirtus, *Lin.* Black pubescent; the head, thorax and apex of the abdomen covered with long, bright, yellow hair; the elytra with a silvery ashy band behind; 8—12 lines; heaths in Hampshire; not common. *Pl.* 21, *fig.* 1.

Genus [152]. *CREOPHILUS*. *Kirb.* Two species?

C. maxillosus, *Lin.* Deep black; head and thorax glabrous and shining; elytra and abdomen pubescent, the former with an ashy band, and the abdomen with the third and

Gift - E. C. Van Dyke - May 19, 1949

fourth segments laterally ashy, and all upon the disk with a waved band of the same colour; 6—12 lines; common. *Pl.* 21, *fig.* 2.

Genus [153]. *VELLEIUS*. *Leach*. One species.

V. dilatatus, *Fab.* Black; head and thorax shining, the latter having an æneous reflection; elytra and abdomen opaque and slightly pubescent; 9 lines; Hornet's nests? rare. *Pl.* 21, *fig.* 3.

Family [14]. *TACHINIDÆ*. *Shuck*.

Genus [154]. *TACHINUS*. *Grav.* Twenty-three species.

T. latus, *Marsh.* Black and shining; base of antennæ and legs pitchy red; elytra testaceous, excepting their sutural, lateral and posterior margins; 3—4 lines; damp meadows. *Pl.* 21, *fig.* 4.

Genus [155]. *CYPHA*. *Kirby*. Six species.

C. rufipes, *Kirb.* Black pubescent; antennæ and legs reddish; $\frac{2}{3}$ of a line; common in moss. *Pl.* 21, *fig.* 5.

Genus [156]. *CONURUS*. *Steph.* Eleven species.

C. pubescens, *Grav.* Pitchy black pubescent; apex and antennæ and legs testaceous; $2\frac{1}{2}$ lines; meadows; not common. *Pl.* 21, *fig.* 6.

Genus [157]. *TACHYPORUS*. *Grav.* Thirty-four species.

S. pyrrhopterus, *Kirb.* Black and shining; antennæ, margin of the thorax, elytra and legs reddish-testaceous; $1\frac{1}{4}$ line; meadows; not common. *Pl.* 21, *fig.* 7.

Genus [158]. *BOLITOBIUS*. *Leach*. Seventeen species.

B. atricapillus, *Fab.* Reddish-testaceous, shining; head middle of antennæ, elytra (excepting their shoulders and apical margin) and two terminal segments of abdomen, black; three lines; in moss and moist meadows. *Pl.* 21, *fig.* 8.

Genus [159]. *MEGACRONUS*. *Steph.* Eight species.

M. analis, *Fab.* Black and shining; base and apex of antennæ, elytra, legs and apex of the abdomen testaceous; three lines; in moss and moist woods. *Pl.* 22, *fig.* 1.

Genus [160]. *MYCETOPORUS*. *Mann.* Eleven species.

M. splendens, *Marsh.* Deep black and very shining; antennæ fuscous with their base and apex testaceous; elytra, legs and apex of abdomen of a rich red; $2\frac{1}{2}$ —3 lines; humid meadows; common. *Pl.* 22, *fig.* 2.

Family [15]. ALEOCHARIDÆ. Shuck.

Genus [161]. *DEINOPSIS*. *Matth.* Six species.

D. fuscatus, *Matth.* Pitchy black, opaque; tibiæ and tarsi fuscous; two lines; putrescent vegetables rare. *Pl.* 22, *fig.* 3.

Genus [162]. *CENTROGLOSSA*. *Matth.* Six species.

C. conuroides, *Matth.* Pitchy black opaque; legs fuscous; $1\frac{1}{4}$ line; putrescent vegetables. *Pl.* 22, *fig.* 4.

Genus [163]. *MYLLENA*. *Erich.* One species.

M. dubia, *Grav.* Black opaque, covered with a silky cinereous pubescence; base of antennæ and legs yellowish; $1\frac{1}{4}$ line; rare. *Pl.* 22, *fig.* 5.

Genus [164]. *DIGLOSSA*. *Hal.* One species.

D. mersa, *Hal.* Dull black pubescent; antennæ, palpi and legs fuscous; one line; sandy shores, on the coast of Ireland. *Pl.* 22, *fig.* 6.

Genus [165]. *DINARDA*. *Leach.* One species.

D. dentata, *Grav.* Reddish chesnut, slightly shining; middle of the antennæ, head, disc of thorax, scutellum and base of the segments of the abdomen black; $1\frac{1}{2}$ line; ant's nests; rare. *Pl.* 22, *fig.* 7.

Genus [166]. *ATEMELES*. *Dillwyn.* Two species.

A. paradoxus, *Grav.* Opaque castaneous; head, excepting the mouth, black; $2\frac{1}{4}$ lines. Nests of *Formica rufa*, *Lin.* not uncommon. *Pl.* 22, *fig.* 8.

Genus [168]. *ENCEPHALUS*. *Kirb.* One species.

E. complicans, *Kirb.* Black, shining; antennæ and legs pitchy; $\frac{3}{4}$ of a line; in moss. *Pl.* 23, *fig.* 1.

Genus [169]. *GYROPHÆNA*. *Mann.* Six species.

G. nitidula, *Gyll.* Black, shining; base of the antennæ, legs and disc of the elytra testaceous; $\frac{3}{4}$ of a line; meadows. *Pl.* 23, *fig.* 2.

Genus [170]. *OLIGATA*. *Mann.* Six species.

O. picipes, *Kirb.* Black, shining; legs pitchy; $\frac{3}{4}$ of a line; by sweeping in meadows and woods. *Pl.* 23, *fig.* 3.

Genus [171]. *ALEOCHARA*. *Grav.* Thirty-three species.

A. fuscipes, *Payk.* Black, shining; elytra and legs chesnut red; three lines; meadows by sweeping. *Pl.* 23, *fig.* 4.

Genus [172]. *OXYPODA*. *Mann.* Sixteen species.

O. lividipennis, *Mann.* Black, scarcely shining; elytra, apex of abdomen and legs fuscous; $1\frac{1}{2}$ lines; meadows. *Pl.* 23, *fig.* 5.

- Genus [173]. *CALLICERUS*. *Grav.* Two species?
C. Spencii, *Kirb.* Black; legs pitchy; head, thorax and elytra opaque; abdomen shining; $1\frac{1}{4}$ line; dead reeds, marshy places. *Pl.* 23, *fig.* 6.
- Genus [174]. *HOMALOTA*. *Mann.* Twelve species?
H. plana, *Gyll.* Pitchy black; palpi, base of antennæ and legs fuscous; $\frac{3}{4}$ of a line; beneath bark; rare. *Pl.* 23, *fig.* 7.
- Genus [175]. *HYGRONOMA*. *Erichs.* One species.
H. dimidiata, *Grav.* Black; base of antennæ, legs and posterior half of elytra yellow testaceous; $1\frac{1}{4}$ line; humid meadows by sweeping. *Pl.* 23, *fig.* 8.
- Genus [176]. *PHLEOPORA*. *Erichs.* Two species.
P. reptans, *Grav.* Black pubescent; antennæ at the base, apex of the abdomen and legs testaceous; elytra pitchy red; $1\frac{1}{4}$ line; beneath bark; rare. *Pl.* 24, *fig.* 1.
- Genus [177]. *TACHYUSA*. *Erichs.* One species.
T. atra, *Grav.* Black, opaque, covered with an ashy pubescence; legs pitchy; tarsi testaceous; $1\frac{1}{2}$ line; in moss; rare. *Pl.* 24, *fig.* 2.
- Genus [178]. *BOLITOCCHARA*. *Mann.* Seventy eight species?
B. lunulata, *Payk.* Reddish chesnut; the disk of the elytra and the fifth and base of sixth segments of abdomen black; legs testaceous; two lines; sandy situations; not common. *Pl.* 24, *fig.* 3.
- Genus [179]. *OCALEA*. *Erichs.* One species.
O. castanea, *Erichs.* Fusco-piceous; base of antennæ and legs testaceous; two lines; moss; rare. *Pl.* 24, *fig.* 4.
- Genus [180]. *CALODERA*. *Mann.* Three species.
C. nigrita, *Mann.* Black, opaque; mouth and tarsi yellowish testaceous; two lines; humid places in woods; rare. *Pl.* 24, *fig.* 5.
- Genus [181]. *ZYRAS*. *Steph.* One species.
Z. Haworthi, *Steph.* Red, shining; head, thorax, external angles of elytra and apex of abdomen black; $2\frac{1}{2}$ lines; rare. *Pl.* 24, *fig.* 6.
- Genus [182]. *PELLA*. *Steph.* Six species.
P. humeralis, *Grav.* Castaneous, shining; base of antennæ, humeral angles of elytra, apex of abdomen and legs paler; $2\frac{1}{4}$ lines; meadows by sweeping. *Pl.* 24, *fig.* 7.
- Genus [183]. *POLYSTOMA*. *Steph.* One species.
P. obscurella, *Grav.* Pitchy black; head, thorax and elytra opaque; $1\frac{3}{4}$ lines; meadows. *Pl.* 24, *fig.* 8.
- Genus [184]. *ISCHNOPODA*. *Steph.* Six species.

- I. longitarsis, *Kirb.* Black, rather obscure; legs pitchy; $1\frac{3}{4}$ line; sandy coasts. *Pl.* 25, *fig.* 1.
- Genus [185]. *ASILBUS*. *Dillwyn.* One species.
- A. canaliculatus, *Fab.* Castaneous; head, apex of antennæ and the third and fourth segments of the abdomen black; $2\frac{1}{2}$ lines; sandy situations and moss. *Pl.* 25, *fig.* 2.
- Genus [186]. *FALAGRIA*. *Leach.* Ten species.
- F. nitens, *Kirb.* Pitchy black and shining; thorax sulcated: legs fuscous; one line; garden rubbish. *Pl.* 25, *fig.* 3.
- Genus [187]. *AUTALIA*. *Leach.* Six species.
- A. impressa, *Oliv.* Castaneous and shining; head, apex of antennæ, elytra and a ring near the apex of abdomen pitchy black; legs testaceous; thorax impressed behind; one line and a quarter: meadows by sweeping. *Pl.* 25, *fig.* 4.

Family [16]. PSELAPHIDÆ. Leach.

- Genus [188]. *CLAVIGER*. *Preysler.* One species.
- C. foveolatus, *Müll.* Entirely reddish, testaceous; one line; nests of *Formica flava*; rare. *Pl.* 25, *fig.* 5.
- Genus [189]. *EUPLECTUS*. *Kirby.* Nine species.
- E. nanus, *Reich.* Castaneous shining; legs red-testaceous; $\frac{3}{4}$ of a line; meadows by sweeping. *Pl.* 25, *fig.* 6.
- Genus [190]. *TRIMIUM*. *Aubé.* One species.
- T. brevicorne, *Reich.* Castaneous shining; $\frac{3}{4}$ of a line; meadows, roots of grass and moss. *Pl.* 25, *fig.* 7.
- Genus [191]. *BATRISUS*. *Aubé.* One species.
- B. venustus, *Reich.* Bright ferruginous, shining; abdomen black; $1\frac{1}{2}$ line; moss, rare. *Pl.* 25, *fig.* 8.
- Genus [192]. *TYCHUS*. *Leach.* One species.
- T. niger, *Leach.* Black and shining; antennæ and legs pale pitchy; one line; moss in woods, common. *Pl.* 26, *fig.* 1.
- Genus [193]. *ARCOPAGUS*. *Leach.* Four species.
- A. glabricollis, *Reich.* Deep chesnut, shining; $\frac{3}{4}$ of a line; moss in meadows. *Pl.* 26, *fig.* 2.
- Genus [194]. *BYTHINUS*. *Leach.* Four species.
- B. securiger, *Reich.* Pitchy, shining; antennæ and legs bright ferruginous; $\frac{3}{4}$ of a line; moss and damp meadows. *Pl.* 26, *fig.* 3.
- Genus [195]. *BRYAXIS*. *Kugel.* Seven species.
- B. sanguineus, *Lin.* Black, antennæ fuscous; elytra blood red; legs pitchy brown; about one line; humid meadows. *Pl.* 26, *fig.* 4.

Genus [196]. *PSSELAPHUS*. *Herbst*. Four species.

P. Heiseii, *Herbst*. Chesnut brown and shining; antennæ and legs paler; $1\frac{1}{4}$ line; moss in winter. *Pl.* 26, *fig.* 5.

SUBDIVISION III. HELOCERA. SHUCK.

TRIBE I. CLAVICORNES. LATR.

Family [17]. SCYDMÆNIDÆ. LEACH.

Genus [197]. *SCYDMÆNUS*. *Latr.* Seventeen species.

S. tarsatus, *Kunz*. Pitchy brown; shining pubescent; antennæ and legs pale testaceous; $1\frac{1}{4}$ line; damp meadows by sweeping. *Pl.* 26, *fig.* 6.

Genus [198]. *MEGALADERUS*. *Stephens*. One species.

M. thoracicus. Pitchy black, shining; antennæ and legs testaceous; length three quarters of a line; moss in winter. *Pl.* 26, *fig.* 7.

Genus [199]. *EUTHEIA*. *Waterhouse*. One species.

E. scydmænoides, *Waterh.* Black and shining; legs and antennæ testaceous; about half a line; meadows by sweeping and in moss. *Pl.* 26, *fig.* 8.

Family [18]. AGATHIDIIDÆ. WEST.

Genus [200]. *SERICODERUS*. *Steph.* One species.

S. dubius, *Marsh.* Reddish; antennæ, thorax and legs testaceous; $1\frac{1}{2}$ line; moist meadows. *Pl.* 27, *fig.* 1.

Genus [201]. *ORTHOPERUS*. *Steph.* Six species.

O. punctum, *Marsh.* Obscure testaceous; head pitchy; antennæ and legs pale; about $\frac{1}{2}$ a line; in garden rubbish. *Pl.* 27, *fig.* 2.

Genus [202]. *CLYPEASTER*. *Andersch.* One species.

C. cassidoides, *Marsh.* Pitchy shining; margins of the thorax testaceous; antennæ and legs ferruginous; about $\frac{1}{2}$ a line; beneath bark. *Pl.* 27, *fig.* 3.

Genus [203]. *CLAMBUS*. *Fisch.* Five species.

C. armadillus, *De Geer.* Black and shining, antennæ and legs pale; about $\frac{1}{2}$ a line. *Pl.* 27, *fig.* 4.

Genus [204]. *AGATHIDIUM*. *Illiger.* Fourteen species.

A. seminulum, *Lin.* Pitchy black and shining; antennæ and legs reddish testaceous; about $1\frac{1}{2}$ line. *Pl.* 27, *fig.* 5.

Genus [205]. *LEIODES*. *Latr.* Thirty species?

L. Cinnamomea, *Panz.* Reddish testaceous; antennæ and legs paler. In the female the posterior legs short and not curved; about $2\frac{1}{2}$ lines; inhabits the truffle. *Pl.* 27, *fig.* 6.

Family [19]. SCAPHIDIIDÆ. Shuck.

Genus [206]. SCAPHIDIUM. *Oliv.* One species.

S. quadrimaculatum, *Oliv.* Black and shining, the elytra with four red spots; sometimes nearly obliterated; $2\frac{1}{2}$ lines; not uncommon in fungi. *Pl.* 27, *fig.* 7.

Family [20]. CHOLEVIDÆ. Shuck.

Genus [207]. SCAPHISOMA. *Leach.* Two species.

S. agaricinum, *Lin.* Black and shining; antennæ and legs pale; apex of abdomen rufescent: nearly one line; fungi. *Pl.* 27, *fig.* 8.

Genus [208]. COLON. *Herbst.* One species.

C. brunneus, *Latr.* Deep cinnamon brown; antennæ and legs paler; very variable in colour; about a line; humid situations. *Pl.* 28, *fig.* 1.

Genus [209]. PTOMAPHAGUS. *Knoch.* Seven species?

P. truncatus, *Illiger.* Pitchy black; base of antennæ, tibiæ and tarsi reddish; about one line; humid meadows. *Pl.* 28, *fig.* 2.

Genus [210]. CATOPS. *Payk.* Seventeen species.

C. formicatus, *De Geer.* Blackish brown; legs pitchy ferruginous; about two lines; common, moist meadows. *Pl.* 28, *fig.* 3.

Genus [211]. CHOLEVA. *Latr.* Three species.

C. angustata, *Fab.* Pitchy brown; antennæ and legs a little paler; very variable in colour; two lines and a half; gardens and meadows. *Pl.* 28, *fig.* 4.

Family [21]. SPHÆRITIDÆ. Shuck.

Genus [212]. SPHÆRITES. *Duft.* One species.

C. glabratus. Black and shining, having above an æneous tinge; legs pitchy; two lines; Scotland, rare. *Pl.* 28, *fig.* 5.

Family [22]. NECROPHORIDÆ. Shuck.

Genus [213]. NECROPHORUS. *Fab.* Seven species.

N. ruspator, *Erichs.* (*vestigator*, *Steph.*) Black; the club of the antennæ and two bands across the elytra (the last of which is interrupted) of a bright orange red; ten lines; carrion. *Pl.* 28, *fig.* 6.

Family [23]. SILPHIDÆ. Macleay.

Genus [214]. NECRODES. *Wilkin.* One species. In the female the thighs are simple and they are variable in size in the male.

N. littoralis, *Lin.* Deep black; terminal joints of the antennæ orange and tarsi pitchy; 8—12 lines; carrion, common. *Pl.* 28, *fig.* 7.

Genus [215]. OICHOPTOMA. *Leach.* Five species.

O. thoracica, *Lin.* Deep black; thorax of a deep orange; seven lines; carrion, common. *Pl.* 28, *fig.* 8.

Genus [216]. SILPHA. *Linn.* Seven species.

S. nigrita, *Creutz.* Deep black, somewhat shining; six lines; north of England. *Pl.* 29, *fig.* 1.

Genus [217]. PHOSPHUGA. *Leach.* Two species.

P. atrata, *Lin.* Deep black; five lines; common in fields and pathways. *Pl.* 29, *fig.* 2.

Family [24]. NITIDULIDÆ. Macleay.

Genus [218]. THYMALUS. *Latr.* One species.

T. limbatus, *Fab.* Ferruginous, with a brassy-reflection; antennæ and legs rather paler; three lines; flowers in spring and beneath bark. *Pl.* 29, *fig.* 3.

Genus [219]. NITIDULA. *Fab.* Twenty-six species.

N. grisea, *Lin.* Reddish testaceous, marbled with black; $2\frac{1}{2}$ —3 lines; common, under bark. *Pl.* 29, *fig.* 4.

Genus [220]. CRYPTARCHA. *Shuck.* Two species.

C. strigata, *Fab.* Pitchy black with pale markings on the elytra; antennæ and legs rufo-testaceous; beneath bark. *Pl.* 29, *fig.* 5.

Genus [221]. STRONGYLUS. *Herbst.* Two species.

T. ferrugineus, *Fab.* Ferruginous red; variable, being either paler or darker; about $2\frac{1}{2}$ lines; common in fungi. *Pl.* 29, *fig.* 6.

Genus [222]. *CAMPTA*. Kirby. One species.

C. lutea, *Herbst*. Yellow testaceous; club of the antennæ darker; $2\frac{1}{2}$ lines; common in flowers. *Pl.* 29, *fig.* 7.

Genus [223]. *MELIGETHES*. Kirby. Eleven species.

M. rufipes, *Dej.* Black; the legs rufo-testaceous; about two lines; common in flowers. *Pl.* 29, *fig.* 8.

Genus [224]. *PRIA*. Kirby. One species.

P. truncatella, *Marsh.* Entirely fuscous; $\frac{3}{4}$ of a line; midsummer, in flowers. *Pl.* 30, *fig.* 1.

Genus [225]. *ANOMÆOCERA*. Shuck. [*Anisocera*, *Howit.*] One species. The female has the second joint of the antennæ less developed.

A. Spirææ, *Howit.* Reddish testaceous; the disk of the elytra sometimes darker; about one line; the North on the *Spiræa Ulmata*. *Pl.* 30, *fig.* 2.

Genus [226]. *CATERETES*. *Herbst*. Twelve species.

C. bipustulatus, *Pkl.* Pitchy black; antennæ, legs and a spot on each of the elytra testaceous; about one line; by sweeping in marshy meadows. *Pl.* 30, *fig.* 3.

Genus [227]. *TRICHOPTERYX*. Kirby. Seven species.

T. atomaria, *De Geer.* Pitchy black pubescent; antennæ and legs testaceous; about $\frac{1}{2}$ a line; rotting vegetables and hot beds. *Pl.* 30, *fig.* 4.

Genus [228]. *MICROPEPLUS*. *Latr.* Three species?

M. staphylinoides, *Marsh.* Black; antennæ, sides of the thorax, and legs ferruginous; nearly a line; meadows by sweeping. *Pl.* 30, *fig.* 5.

Genus [229]. *CARPOPHILUS*. *Leach.* Two species.

C. hemipterus, *Lin.* Pitchy black; a spot on the shoulder and another larger towards the apex of the elytra yellow testaceous; legs testaceous; rather more than a line; a doubtful native. *Pl.* 30, *fig.* 6.

Family [25]. *ENGIDÆ*. Macleay.

Genus [230]. *IPS*. *Fab.* Four species.

I. quadripustulatus, *Linn.* Depressed; deep black and shining; each elytra with two ferruginous spots, one humeral and the other placed about the middle; $3\frac{1}{2}$ lines; under the bark of the pine; Scotland, rare. *Pl.* 30, *fig.* 7.

Genus [230a]. *PITYOPHAGUS*. *Shuck.* One species.

P. ferrugineus, *Lin.* Cylindrical and entirely of a ferruginous red; the head a little darker; $2-2\frac{1}{2}$ lines; beneath bark, rare. *Pl.* 30, *fig.* 8.

- Genus [231]. *CRYPTOPHAGUS*. *Herbst*. Fourteen species.
C. fumatus, *Marsh*. Entirely reddish testaceous, covered with a short pubescence; one line; by sweeping, and flying towards sunset. *Pl. 30, fig. 9*.
- Genus [232]. *ANTHEROPHAGUS*. *Knoch*. Three species.
A. pallens, *Lin*. Pale yellow testaceous; antennæ, base of the tibiæ and tarsi pitchy; 2—2½ lines: flowers in June. *Pl. 31, fig. 1*.
- Genus [233]. *ANISARTHRIA*. *Waterhouse*. Eight species?
A. nitida, *Steph*. Bright shining black; antennæ and legs testaceous; one third of a line; garden rubbish, and flying in its vicinity on warm evenings. *Pl. 31, fig. 2*.
- Genus [234]. *ATOMARIA*. *Kirb*. Twenty species?
A. nigripennis, *Payk*. Black; the head, thorax, antennæ and legs ferruginous; two thirds of a line; meadows by sweeping. *Pl. 31, fig. 3*.
- Genus [235]. *ENGIS*. *Paykul*. Three species.
E. scanicus, *Lin*. Black, brightly shining; head, thorax, humeral angles of elytra, antennæ and legs bright ferruginous; 1½ line; fungi, not common. *Pl. 31, fig. 4*.
- Genus [236]. *TYPHÆA*. *Kirby*. Three species.
T. ferruginea, *Marsh*. Pubescent and entirely ferruginous; rather more than a line; beneath bark. *Pl. 31, fig. 5*.
- Genus [237]. *MYCETÆA*. *Kirby*. Two species.
M. fumata, *Marsh*. Pale testaceous, slightly pubescent; three quarters of a line; by sweeping. *Pl. 31, fig. 6*.
- Genus [238]. *PARAMECOSOMA*. *Curt*. One species.
T. bicolor, *Curt*. Fusco-ferruginous; head and thorax black; three quarters of a line; north of England. *Pl. 31, fig. 7*.
- Genus [239]. *CORTICARIA*. *Marsh*. Eleven species?
C. elongata, *Illig*. Pale ferruginous; pubescent; about a line; by sweeping. *Pl. 31, fig. 8*.
- Genus [240]. *HOLOPARAMECUS*. *Curt*. One species.
H. depressus, *Curt*. Bright shining testaceous; one third of a line; a doubtful native. *Pl. 32, fig. 1*.
- Genus [241]. *TETRATOMA*. *Herbst*. Five species.
T. Ancora, *Fab*. Pale testaceous, shining; the elytra having a cordate spot near the scutellum, and lateral markings, blackish; 1½ line; beneath bark; rare. *Pl. 32, fig. 2*.
- Genus [242]. *MYCETOPHAGUS*. *Fab*. Six species.
M. 4-pustulatus, *Lin*. Pitchy black, pubescent; legs and four spots on the elytra ferruginous; three lines and a quarter; abundant in putrescent fungi. *Pl. 32, fig. 3*.
- Genus [243]. *BIPHYPHLLUS*. *De Jean*. One species.

B. lunatus, *Fab.* Pitchy black pubescent; a common lunate spot about the middle of the elytra, produced by decumbent silvery pile; antennæ and legs ferruginous; $1\frac{1}{2}$ line; beneath bark, rare. *Pl. 32, fig. 4.*

Genus [244]. *TRIPHYLLUS. Megerle.* Two species.

T. punctatus, *Fab.* Pitchy black; head, thorax, base and apex of elytra, antennæ and legs ferruginous; $1\frac{1}{2}$ line; fungi. *Pl. 32, fig. 5.*

Genus [245]. *PHLOIOPHILUS. Waterhouse.* Three species?

P. Cooperi, *Steph.* Pale testaceous, with dark markings on the elytra; one line; beneath bark; rare. *Pl. 32, fig. 6.*

Genus [246]. *BYTURUS. Latr.* One species.

B. tomentosus, *Fab.* Testaceous or fuscous; covered with a close decumbent yellow pile; two lines; common in flowers of the bramble in June. *Pl. 32, fig. 7.*

Genus [247]. *CERYLON. Latr.* Three species?

C. histeroides, *Panz.* Pitchy black and shining; head, thorax, antennæ and legs deep ferruginous; one line; beneath bark. *Pl. 32, fig. 8.*

Genus [248]. *SYNCHITA. Hellwig.* One species.

S. Juglandis, *Fab.* Pitchy ferruginous; antennæ slightly paler; $1\frac{3}{4}$ line; beneath the bark of the walnut, rare. *Pl. 33, fig. 1.*

Genus [249]. *ANOMMATUS. Wesmæl.* One species.

A. obsoletum, *Spence.* Testaceous or castaneous; very shining and convex; three quarters of a line; beneath stones. *Pl. 33, fig. 2.*

Genus [250]. *RHYZOPHAGUS. Herbst.* Ten species.

R. ferrugineus, *Payk.* Entirely deep, or pale ferruginous and shining; about two lines; beneath bark. *Pl. 33, fig. 3.*

Genus [251]. *LISSODEMA. Curt.* One species.

L. Heyana, *Curt.* Pitchy chesnut, shining, antennæ and legs slightly paler; one line and one third; Derbyshire, rare. *Pl. 33, fig. 4.*

Genus [252]. *MONOTOMA. Herbst.* Three species?

M. picipes, *Herbst.* Pitchy black, or testaceous; antennæ and legs reddish testaceous; about one line; meadows by sweeping, and garden rubbish. *Pl. 33, fig. 5.*

Genus [253]. *CICONES. Curt.* One species.

C. variegata, *Helwig.* Pitchy black, pubescent; elytra variegated with ferruginous spots; antennæ and legs also ferruginous; $1\frac{1}{2}$ line; beneath bark, rare. *Pl. 33, fig. 6.*

Genus [254]. *BITOMA. Herbst.* One species.

B. crenata, *Fab.* Deep black; elytra with four blood red spots, two placed at the humeral angles and two at the

- apex; antennæ and legs ferruginous; $1\frac{1}{2}$ line; beneath bark. *Pl. 33, fig. 7.*
- Genus [255]. *LATRIDIUS*. *Herbst.* Eleven species?
- L. lardarius*, *De Geer.* Red testaceous, head and thorax blood red; one line; garden rubbish. *Pl. 33, fig. 8.*
- Genus [256]. *SILVANUS*. *Latr.* One species.
- S. unidentatus*, *Fab.* Red testaceous; antennæ and legs slightly paler; $1\frac{1}{2}$ line; beneath bark; rare. *Pl. 34, fig. 1.*
- Genus [257]. *PEDIACUS*. *Shuck.* One species.
- P. dermestoides*, *Fab.* Very flat; castaneous brown; the head and thorax rather the darkest; two lines; beneath bark, rare. *Pl. 34, fig. 2.*
- Genus [258]. *TROGOSITA*. *Oliv.* One species.
- T. Mauritanica*, *Lin.* Pitchy black and shining; $3\frac{1}{2}$ —4 lines; in houses, rarely at large. *Pl. 34, fig. 3.*
- Genus [259]. *NEMOSOMA*. *Desmarests.* One species.
- N. elongata*, *Lin.* Cylindrical; pitchy black; base of the elytra and an obsolete spot towards their apex and the antennæ and legs testaceous; two lines; beneath bark, rare. *Pl. 34, fig. 4.*
- Genus [260]. *COLYDIUM*. *Herbst.* One species.
- C. elongatum*, *Fab.* Shining black; antennæ and legs pitchy red; nearly four lines; beneath bark; New Forest, rare. *Pl. 34, fig. 5.*
- Genus [260a]. *TEREDUS*. *Dejean.* One species.
- T. nitidus*, *Helwig.* Deep pitchy black and very shining; antennæ and legs ferruginous; rather more than two lines; beneath bark, Sherwood Forest, rare. *Pl. 34, fig. 6.*
- Genus [261]. *XYLOTROGUS*. *Steph.* One species.
- X. brunneus*, *Steph.* Entirely brown; antennæ and legs ferruginous; $2\frac{1}{2}$ lines; rare. *Pl. 34, fig. 7.*
- Genus [262]. *LYCTUS*. *Fab.* One species.
- L. canaliculatus*, *Fab.* Entirely chesnut brown; $2\frac{1}{2}$ lines; oak palings; abundant in June. *Pl. 34, fig. 8.*

Family [26]. *DERMESTIDÆ*. Leach.

- Genus [263]. *THROSCUS*. *Latr.* Two species?
- T. dermestoides*, *Lin.* Dark chesnut, pubescent; $1\frac{1}{2}$ —2 lines; palings in woods. *Pl. 35, fig. 1.*

Genus [264]. *DERMESTES*. *Lin.* Five species.

D. murinus, *Lin.* Raven black, mottled with ashy hairs; three and a half lines; dead animals; common. *Pl. 35, fig. 2.*

Genus [265]. *TIRESIAS*. *Step.* One species.

T. serra, *Fab.* Deep black and shining, slightly pubescent; antennæ and legs ferruginous; two lines; beneath bark. *Pl. 35, fig. 3.*

Genus [266]. *ATTAGENUS*. *Latr.* Two species.

A. pello, *Lin.* Pitchy black, pubescent, with a slight ashy patch of hair at the three posterior angles of the thorax, and another rather larger on the disc, towards the middle of each elytron; one and a half to two and a half lines; in houses. *Pl. 35, fig. 4.*

Genus [267]. *MEGATOMA*. *Herbst.* One species.

M. undata, *Lin.* Raven black, with a small patch of silvery gray hair at the posterior angles of the thorax, and two transverse crenulated bands of the same colour across the elytra; two to two and a half lines; palings; not uncommon. *Pl. 35, fig. 5.*

Family [27]. *BYRRHIDÆ*. *Leach.*

Genus [268]. *ASPIDIPHORUS*. *Ziegler.* One species.

A. orbiculatus, *Gyll.* Black and shining; legs reddish testaceous; rather more than half a line; widely dispersed, but rare; in moss. *Pl. 35, fig. 6.*

Genus [269]. *ANTHRENUS*. *Geoffroy.* Five species?

A. Scrophulariæ, *Lin.* Black, with the posterior angles of the thorax covered with whitish pubescence, and three transverse irregular bands of the same colour on the elytra, which near the suture and the sutural markings bright red; tibiæ and tarsi ferruginous; one line and a half; rare. *Pl. 35, fig. 7.*

Genus [270]. *TRINODES*. *Megerle.* One species.

Tr. hirtus, *Fab.* Black, shining, covered with tolerably long pubescence; legs and antennæ testaceous; one line and a half; beneath bark; Notts, Windsor, and Exeter. *Pl. 36, fig. 1.*

Genus [271]. *LIMNICHUS*. *Ziegler.* One species.

S. sericeus, *Duffts.* Black, covered with a silky grey pubescence; legs and antennæ piceous; nearly one line; grassy places on the coasts by sweeping. *Pl. 36, fig. 2.*

Genus [272]. *SYNCALYPTA*. *Dillwyn.* Four species.

S. arenaria, *Sturm.* Black, slightly shining; covered with

dispersed erect, rigid, capitate setæ; nearly a line; in sandy and chalky situations. *Pl.* 36, *fig.* 3.

Genus [273]. *NOSODENDRON*. *Latr.* One species.

N. fasciculare, *Oliv.* Black and shining; elytra covered with fascicles of reddish brown hair placed in rows; antennæ and legs pitchy; nearly three lines; Southend, beneath the bark of elms. *Pl.* 36, *fig.* 4.

Genus [274]. *BYRRHUS*. *Lin.* Nine species.

B. pilula, *Lin.* Pitchy black, covered with a dense decumbent silky down of a bright brown, with alternate darker stripes variously interrupted; antennæ, legs and underside varying from black to red; extremely variable in markings; four to five lines; sandy situations. *Pl.* 36, *fig.* 5.

Genus [275]. *OOMORPHUS*. *Curtis.* One species.

O. concolor, *Sturm.* Deep black and shining; one line and a half; sandy and chalky places on the coasts. *Pl.* 36, *fig.* 6.

Genus [276]. *SIMPLOCARIA*. *Marsh.* Two species.

S. semistriata, *Illig.* Bronzy black, shining, covered with a silky pubescence; antennæ and legs testaceous; about a line and a half; sandy and grassy places. *Pl.* 36, *fig.* 7.

Genus [277]. *EPHISTEMUS*. *West.* Four species?

E. gyrinoides, *Marsh.* Black, smooth and shining; apex of elytra reddish; head in front, antennæ and legs testaceous; half a line; grassy places by sweeping. *Pl.* 36, *fig.* 8.

Family [28]. *HETEROCERIDÆ*. *Macleay.*

Genus [278]. *HETEROCERUS*. *Bosc.* Seven species?

H. marginatus, *Fab.* Dusky black; very pubescent; elytra with the margin and several obscure red spots (frequently wanting) on the disk; variable; antennæ and tarsi pale or obscure red; three lines; margin of ponds and ditches. *Pl.* 37, *fig.* 1.

Family [29]. *PARNIDÆ*. *Macleay.*

Genus [279]. *PARNUS*. *Fab.* Four species?

P. prolefericornis, *Fab.* Dusky black, covered with a short dense pubescence; legs pitchy; two and a half lines; banks of ponds. *Pl.* 37, *fig.* 2.

Genus [280]. *DRYOPS*. *Oliv.* One species.

D. Dumerilii, *Latr.* Dusky black; covered with a short close pubescence; antennæ and tarsi reddish: two and three quarters lines; banks of the Wandle, Surrey; and banks of the Trent, Notts. *Pl. 37, fig. 3.*

Family [30]. *ELMIDÆ*. *Shuck.*

Genus [281]. *ELMIS*. *Latr.* Eleven species.

E. Volkmar, *Panz.* Entirely bronzy black; one and a half line; beneath stones in rapid streams. *Pl. 37, fig. 4.*

Genus [282]. *GEORYSSUS*. *Latr.* One species.

G. pygmæus, *Fab.* Deep black and shining; head deflexed; the punctures of the striæ of the elytra very coarse; three quarters of a line; muddy banks of oozing springs. *Pl. 37, fig. 5.*

TRIBE 2. *PALPICORNES*. *LATR.*

Family [31]. *SPERCHEIDÆ*. *Shuck.*

Genus [283]. *SPERCHEUS*. *Fab.* One species.

S. emarginatus, *Fab.* Obscure testaceous; opaque; elytra with dispersed dusky spots; antennæ and legs testaceous; three and a half lines; roots of aquatic plants in stagnant waters. *Pl. 37, fig. 6.*

Family [32]. *HELOPHORIDÆ*. *Leach.*

Genus [284]. *HELOPHORUS*. *Illig.* Eleven species?

H. grandis, *Illig.* Griseous, loosely sprinkled with dusky spots; the channels of the thorax cupreous; antennæ, palpi and legs testaceous; about three lines; in ponds, very common. *Pl. 38, fig. 1.*

Genus [285]. *HYDROCHUS*. *Germ.* Three species.

H. elongatus, *Fab.* Entirely of a shining bronzy black; antennæ and legs pitchy; two lines; ponds and ditches. *Pl. 38, fig. 2.*

Genus [286]. *ENICOCERUS*. *Stephens.* Three species?

E. viridiæneus, *Steph.* Greenish brassy, shining; antennæ, palpi and legs pitchy; about a line and a half; under stones in streams. *Pl. 38, fig. 3.*

Genus [287]. *OCHTHEBIUS*. *Leach*. Ten species.

O. marinus, *Payk*. Brassy green and shining; antennæ and legs testaceous; about a line; stagnant waters. *Pl.* 38, *fig.* 4.

Genus [288]. *AMPHIBOLUS*. *Waterh*. One species.

A. atricapillus, *Waterh*. Testaceous, with a coppery reflection; head black; antennæ, palpi and legs dusky testaceous; about a line long; running streams, Yorks. *Pl.* 38, *fig.* 5.

Genus [289]. *HYDRÆNA*. *Kugelann*.

H. riparia, *Kug*. Pitchy black, shining; antennæ, palpi and legs reddish testaceous; one line and a quarter; running streams. *Pl.* 38, *fig.* 6.

Family [33]. *HYDROPHILIDÆ*. *Leach*.

Genus [290]. *LIMNEBIUS*. *Leach*. Nine species.

L. truncatellus, *Fab*. Deep black; antennæ, palpi and legs reddish; one line and a quarter; ponds, ditches and streams. *Pl.* 39, *fig.* 1.

Genus [291]. *LACCOBIUS*. *Erichson*. One species.

L. minutus, *Lin*. Black; head and thorax brassy; elytra dirty testaceous, sprinkled with dark spots; antennæ and legs pale; one line and a half; ponds and ditches. *Pl.* 39, *fig.* 2.

Genus [292]. *BEROSUS*. *Leach*. Four species.

B. luridus, *Lin*. Obscure testaceous; head and a square spot on the thorax brassy; elytra with dispersed dark spots; legs pale, their tarsi darker; two and a half to three lines; ponds and ditches. *Pl.* 39, *fig.* 3.

Genus [293]. *HYDROÏUS*. *Lin*. One species. The tarsi of the female are simple.

H. piceus, *Lin*. Entirely of a greenish black, shining; antennæ reddish pitchy; legs pitchy; one inch and three to six lines; stagnant ponds and ditches. *Pl.* 39, *fig.* 4.

Genus [294]. *HYDROPHILUS*. *Fab*. One species.

H. caraboides, *Lin*. Greenish black and shining; antennæ and palpi pitchy red; legs pitchy; about ten lines; ponds and ditches. *Pl.* 39, *fig.* 5.

Genus [295]. *HYDROBIUS*. *Leach*. Five species.

H. oblongus, *Herb*. Pitchy black and shining; antennæ, palpi, tibiæ and tarsi reddish; four lines; bank of ponds. *Pl.* 40, *fig.* 1.

Genus [296]. *PHILHYDRUS*. *Solier*. Fifteen species.

P. melanocephalus, *Fab*. Testaceous; head, disk of thorax,

and two small spots at its margins, and elytra, with the shoulders, and a sutural stripe, all black; antennæ and legs reddish; two and a half lines; ponds and ditches. *Pl.* 40, *fig.* 2.

Genus [297]. CHÆTARTHRIA. *Waterh.* One species.

Ch. seminulum, *Payk.* Black and shining; antennæ, apex of elytra and legs pitchy red; about a line; ponds and ditches. *Pl.* 40, *fig.* 3.

Family [34]. SPHÆRIDIDÆ. Leach.

Genus [298]. CYCLONOTUM. *Erichs.* One species.

C. orbiculare, *Fab.* Deep black and shining; antennæ and legs pitchy; about two lines; ponds and ditches. *Pl.* 40, *fig.* 4.

Genus [299]. SPHÆRIDIUM. *Fab.* Three species.

S. scarabæoides, *Lin.* Black and shining; elytra with a red humeral spot and their apex ochraceous; antennæ and legs pitchy red; two to three and a half lines; dung of cows and horses. *Pl.* 40, *fig.* 5.

Genus [300]. CERCYON. *Leach.* Fifty-five species?

C. obsoletum, *Gyll.* Black and shining; apex of elytra, antennæ, palpi and legs pitchy red; one line and three-quarters; dung of horses. *Pl.* 40, *fig.* 6.

TRIBE III. FRACTICORNES. SHUCK.

Family [35]. HISTERIDÆ. Leach.

Genus [301]. PLATYSOMA. *Leach.* Three species.

P. depressum, *Fab.* Deep black and shining; antennæ and legs pitchy red; one line and a half; under bark. *Pl.* 41, *fig.* 1.

Genus [302]. HISTER. *Linn.* Twenty-four species?

H. unicolor, *Lin.* Entirely deep black and shining; from two and a half to four lines; in the dung of animals. *Pl.* 41, *fig.* 2.

Genus [303]. DENDROPHILUS. *Leach.* Six species.

D. quatuordecim striatus, *Steph.* Deep black and shining; antennæ and legs pitchy; one line and a half; in rubbish heaps, garden refuse, &c. *Pl.* 41, *fig.* 3.

[This species, which is here figured as a *Dendrophilus*, is an *Epierus* of Erichson: a true *Dendrophilus* will be figured in the Supplement.]

Genus [304]. *PAROMALUS*. *Erichs.* Two species.

P. flavicornis, *Herbst.* Deep black and shining; antennæ testaceous; legs pitchy red; about one line; in boleti and beneath bark. *Pl.* 41, *fig.* 4.

Genus [305]. *SAPRINUS*. *Erichs.* Eleven species.

S. nitidulus, *Fab.* Bronzy black, very shining; legs pitchy; two lines and a half; dung of animals. *Pl.* 41, *fig.* 5.

Genus [305^a]. *TERETRIUS*. *Erichs.* One species.

T. picipes, *Fab.* Deep black and very shining; antennæ and legs pitchy red; about a line; oak palings, beneath the bark; Camberwell, Hampstead. *Pl.* 41, *fig.* 6.

Genus [306]. *ONTHOPHILUS*. *Leach.* Two species.

O. sulcatus, *Fab.* Deep opaque black; one and a half to two lines; dung of animals; Nottinghamshire, Coombe Wood. *Pl.* 41, *fig.* 7.

Genus [307]. *ABRÆUS*. *Leach.* Two species?

A. globosus, *Payk.* Pitch black and very shining; about one line and a half; decaying vegetables and garden refuse. *Pl.* 41, *fig.* 8.

SUBDIVISION IV. PETALOCERA. SHUCK.

TRIBE I. PECTENICORNES. SHUCK.

Family [36]. LUCANIDÆ. Leach.

Genus [308]. *PLATYCERUS*. *Geoffr.* One species.

P. caraboides, *Lin.* Bright blue and shining; antennæ and legs black; six lines and a half; West of England. *Pl.* 42, *fig.* 1.

Genus [309]. *DORCUS*. *Macleay.* One species.

D. parallelipedus, *Lin.* Entirely of an opaque black; about twelve lines; woods, in rotten trees. *Pl.* 42, *fig.* 2.

Genus [310]. *LUCANUS*. *Lin.* One species. In the female the mandibles are small.

L. cervus, *Lin.* Black and slightly shining; mandibles and elytra usually of a dark chesnut; from one to two and a half inches; common in the South of England, in the vicinity of woods. *Pl.* 42, *fig.* 3.

Genus [311]. *SINODENDRON*. *Fab.* One species. In the female the horn of the head is obsolete, and the thorax is less retuse.

S. cylindricum, *Lin.* Either dark black and shining, or castaneous; six to eight lines; common in rotten willows. *Pl.* 42, *fig.* 4.

TRIBE II. LAMELLICORNES. SHUCK.

RACE I. SAPROPHAGA. MACLEAY.

Family [37]. GEOTRUPIDÆ. Leach.

Genus [312]. GEOTRUPES. *Latr.* Nine species?

G. stercorarius, *Lin.* Deep black; inside of the legs steel blue; nine to twelve lines; common in meadows. *Pl.* 43, *fig.* 1.

Genus [313]. TYPHÆUS. *Leach.* One species. The thoracic spines in the female are obsolete.

T. vulgaris, *Leach.* Deep black, slightly shining; six to eight lines; common on sandy heaths. *Pl.* 43, *fig.* 2.

Genus [314]. BOLBOCERUS. *Kirby.* One species. The spines of the head and thorax are obsolete in the female.

B. mobilicornis, *Fab.* Deep black and shining, or testaceous; four lines; heaths and sandy districts, uncommon. *Pl.* 43, *fig.* 3.

Family [38]. SCARABÆIDÆ. Macleay.

Genus [315]. COPRIS. *Geoffr.* One species. The horn of the head is obsolete and emarginate in the female.

C. lunaris, *Lin.* Bright shining black; ten lines; sandy heaths; not common. *Pl.* 43, *fig.* 4.

Genus [316]. ONTHOPHAGUS. *Latr.* Nine species. The usual horn of the head is obsolete in the female.

O. nuchicornis, *Lin.* Bronzy black; elytra testaceous, mottled with bronzy spots; about three lines; in dung, especially in sandy situations. *Pl.* 43, *fig.* 5.

Family [39]. APHODIIDÆ. Macleay.

Genus [317]. APHODIUS. *Illig.* Fifty-eight species?

A. fossor, *Lin.* Entirely black and shining; four to six lines; common in dung. *Pl.* 43, *fig.* 6.

Genus [318]. OXYOMOUS. *Esch.* Differs from *Aphodius* only in the trophi, and is therefore not figured.

Genus [319]. PSAMMODIUS. *Gyllenhal.* Two species.

P. sulcicollis, *Illig.* Black and shining, or castaneous; legs pitchy red; about two lines; sandy places, especially the coasts. *Pl.* 43, *fig.* 7.

Family [40]. TROGIDÆ. Macleay.

Genus [320]. *ÆGIALIA*. *Latr.* One species.

Æ. globosa, *Illig.* Pitchy black or castaneous; from two to two and a half lines; sandy places, especially the coasts. *Pl. 44, fig. 1.*

Genus [321]. *Trox*. *Fab.* Four species.

T. sabulosus, *Lin.* Dull opaque black; antennæ and legs pitchy; about four lines; sandy and gravelly heaths. *Pl. 44, fig. 2.*

RACE II. THALEROPHAGA. MACLEAY.

Family [41]. MELOLONTHIDÆ. Macleay.

Genus [322]. *SERICA*. *Macleay.* One species. The female has the club of the antennæ short.

S. brunnea, *Lin.* Reddish testaceous, with a slight opaline tinge; vertex pitchy; about five lines; sandy situations. *Pl. 44, fig. 3.*

Genus [323]. *OMALOPLIA*. *Megerle.* One species.

O. ruricola, *Fab.* Deep black; elytra reddish testaceous, excepting their suture and margins, which are black; legs pitchy red; about four lines; hedges, near woods. *Pl. 44, fig. 4.*

Genus [324]. *RHISOTROGUS*. *Latr.* One species. Club of the antennæ in the female short.

R. solstitialis, *Lin.* Pale testaceous, very pubescent; antennæ and legs reddish testaceous; about nine lines; elms and hedges; common. *Pl. 44, fig. 5.*

Genus [325]. *MELOLONTHA*. *Fab.* Three species. Club of the antennæ in the female short.

M. vulgaris, *Lin.* Red testaceous, pubescent; head, thorax and scutellum black; ten to twelve lines; hedges in fields; very common. *Pl. 44, fig. 6.*

Genus [326]. *PHYLLOPERTHA*. *Kirby.* Three species.

P. horticola. Very pubescent; head, thorax, scutellum and legs bright shining green; elytra testaceous, with their suture and margins narrowly edged with black; four to five lines; hedges in fields; common. *Pl. 45, fig. 1.*

Genus [327]. *ANOMALA*. *Megerle.* Two species.

A. Frischii, *Fab.* Bright shining green, coppery green, or blue, with the lateral margins of the thorax and the elytra testaceous; legs usually blue, black, or coppery. Sometimes entirely green, coppery, or blue; six and a

half to seven and a half lines; sandy places, especially the coasts. *Pl.* 45, *fig.* 2.

Genus [328]. *ANISOPLIA*. *Megerle*. One species.

A. Agricola, *Lin.* Bronzy; elytra testaceous; the margins, a transverse band in the middle, and the suture (broadest between the scutellum) black, as well as the antennæ and legs; seven lines; South Wales. *Pl.* 45, *fig.* 3.

Genus [329]. *HOPLIA*. *Illig.* One species. The posterior legs are shorter in the female.

H. argentea, *Oliv.* Brownish black; the female with the base of the antennæ, elytra and legs red; male with the legs black, excepting their tarsi which are pitchy red; antennæ also of this colour; three to four and a half lines; sandy heaths, common. *Pl.* 45, *fig.* 4.

Family [42]. CETONIDÆ. Macleay.

Genus [330]. *TRICHIVS*. *Fab.* One species.

T. fasciatus, *Lin.* Densely covered, excepting the elytra, with long fulvous hair; head, thorax (excepting the sides of the latter behind, which are yellow), scutellum and legs black; elytra reddish testaceous, with six irregular large spots placed externally and the suture black; about seven lines; South Wales. *Pl.* 45, *fig.* 5.

Genus [331]. *GNORIMUS*. *St. Farg.* Two species. The intermediate tibiæ in the female are neither clavate nor arcuate.

G. nobilis, *Lin.* Entirely of a rich shining golden or coppery green, with usually several white spots upon the elytra and pygidium; eight to ten lines; rotten apple trees and flowers, especially those of the alder. *Pl.* 45, *fig.* 6.

Genus [332]. *CETONIA*. *Fab.* Two species?

C. aurata, *Lin.* Entirely of a rich shining golden or coppery green, varied beyond the centre of the elytra with abbreviated transverse and slightly waved white lines; eight to eleven lines; very common in gardens. *Pl.* 45, *fig.* 7.

SUBDIVISION V. PRIONOCERA. SHUCK.

TRIBE I. STERNOXI. LATR.

Family [43]. BUPRESTIDÆ. Leach.

Genus [333]. *ANTHAXIA*. *Eschholtz.* Two species.

A. Salicis, *Fab.* Head, thorax and base of elytra in a

semicircle from shoulder to shoulder of a rich metallic blue or green; the remainder of the elytra of a bright golden red, varying into purple; antennæ black; legs coloured like the thorax; about three lines; willows, very rare. *Pl.* 46, *fig.* 1.

Genus [334]. *AGRILUS*. *Megerle*. Five species.

A. biguttatus, *Lin.* Of a rich shining metallic blue or green, with a white spot on each elytron near the suture, and another on the lateral projecting portions of the first dorsal segment of the abdomen; five to six and a half lines; Darenth and Hampstead, not common. *Pl.* 46, *fig.* 2.

Genus [335]. *APHANISTICUS*. *Latr.* One species.

A. pusillus, *Oliv.* Entirely bronzy black; nearly two lines; grassy and mossy places in woods. *Pl.* 46, *fig.* 3.

Genus [336]. *TRACHYS*. *Fab.* Three species.

T. minuta, *Lin.* Bronzy or brassy, with several whitish waved markings and transverse bands, especially towards the apex of the elytra; nearly two lines; foliage in woods. *Pl.* 46, *fig.* 4.

Family [44]. *MELASIDÆ*. Shuck.

Genus [337]. *MELASIS*. *Oliv.* One species. In the male the antennæ are more strongly pectinated and the anterior angles of the thorax rounded.

M. buprestoides, *Lin.* Opaque, brown, black, or cinnamon brown; antennæ and legs a little paler; two and a half to four and a half lines; Sherwood, Windsor and New Forests; rotten stumps and trees. *Pl.* 46, *fig.* 5.

Family [45]. *EUCNEMIDÆ*. Westw.

Genus [338]. *MICRORHAGUS*. *Eschholtz.* One species.

M. pygmæus, *Fab.* Entirely of a shining brownish black; about two and a quarter lines; Norfolk? *Pl.* 46, *fig.* 6.

Family [46]. *ELATERIDÆ*. Leach.

Genus [339]. *ADRASTUS*. *Esch.* Two species.

A. limbatus, *Fab.* Head and thorax black and shining; elytra dark dirty testaceous, except the lateral margins and suture, which are pitchy, as well as the antennæ and legs; two and a quarter lines; meadows and pastures, common. *Pl.* 46, *fig.* 7.

Genus [340]. *DOLORIUS*. *Esch.* One species.

D. marginatus, *Lin.* Head black; thorax brown on the disk, the margins brownish testaceous; elytra dark testaceous, with the suture broadly brown, narrowing towards the apex; antennæ and legs testaceous; three to four lines; meadows and grassy places in woods. *Pl.* 47, *fig.* 1.

Genus [341]. *AGRIOTES*. *Esch.* Four species.

A. lineatus, *Lin.* Entirely of an obscure fuscous; thorax and the alternate striæ of the elytra rather darker; about four and a half lines; meadows and pastures, common. *Pl.* 46, *fig.* 8.

Genus [342]. *SERICOSOMUS*. *Serville.* Four species.

S. brunneus, *Lin.* Cinnamon brown, with the head, antennæ, disk of thorax and scutellum blackish brown; about five lines; grassy places in woods, not common. *Pl.* 47, *fig.* 2.

Genus [343]. *ECTINUS*. *Esch.* One species.

E. aterrimus, *Lin.* Intensely black; legs sometimes pitchy; about six lines; grassy places, rare. *Pl.* 47, *fig.* 3.

Genus [344]. *LIMONIUS*. *Esch.* Five species.

L. serraticornis, *Payk.* Black, with a slight metallic tinge; legs obscure testaceous; about three lines; not common; by beating in hedges. *Pl.* 47, *fig.* 4.

Genus [345]. *ELATER*. *Lin.* Ten species.

E. sanguineus, *Lin.* Black; elytra of a bright red; about six lines; New Forest, not uncommon. *Pl.* 47, *fig.* 5.

Genus [346]. *PROSTERNON*. *Latr.* One species.

P. holosericeus, *Fab.* Brownish black, slightly metallic; densely covered above with a close silky pubescence, irregularly waved; about five or six lines; hedges and woods, not uncommon. *Pl.* 47, *fig.* 6.

Genus [347]. *AGRYPNUS*. *Esch.* Two species?

A. murinus, *Lin.* Brownish black; pubescent, and the pubescence mottled; from six to eight lines; very common, especially on sandy heaths. *Pl.* 47, *fig.* 7.

Genus [348]. *HYPOLITHUS*. *Esch.* Two species.

H. riparius, *Fab.* Brownish black, with a metallic tinge; basal joints of the antennæ and legs reddish; about three lines; meadows and pastures, rare. *Pl.* 47, *fig.* 8.

Genus [349]. *CRYPTOHYPNUS*. *Esch.* Four species.

C. Agricola, *Gyll.* Black; pubescent; each elytron with a pale oval spot at the humeral angles, and another not quite so large towards the apex; antennæ and legs testaceous; about two lines; meadows and pastures, not uncommon. *Pl.* 47, *fig.* 9.

Genus [350]. *MELANOTUS*. *Esch.* One species.

M. fulvipes, *Herbst.* Deep pitchy black; legs usually fulvous; from seven to ten lines; common in grassy places and woods. *Pl.* 47, *fig.* 10.

Genus [351]. *LUDIUS*. *Latr.* One species.

L. ferrugineus, *Lin.* Ferruginous brown, excepting the head, antennæ, posterior edge and angles of the thorax, scutellum and legs, which are brownish black; eight to eleven lines; rare; Richmond Park, Darenth Wood and Windsor Forest. *Pl.* 48, *fig.* 1.

Genus [352]. *CTENICERUS*. *Latr.* Six species. The antennæ are merely serrated in the female.

C. pectinicornis, *Lin.* Metallic green, somewhat pubescent; antennæ and legs black; about eight lines; not uncommon in grassy places in the West and North of England. *Pl.* 48, *fig.* 2.

Genus [353]. *SELATOSOMUS*. *Steph.* Two species?

S. æneus, *Lin.* Either of a rich and shining brassy green or of a metallic blue or violet; antennæ pitchy; legs varying from fulvous to black; about eight or nine lines; not uncommon in woods, very common in Scotland. *Pl.* 48, *fig.* 3.

Genus [354]. *CARDIOPHORUS*. *Esch.* Three species.

C. thoracicus, *Fab.* Black, with the thorax bright shining red; about four lines; rare; woods. *Pl.* 48, *fig.* 4.

Genus [355]. *APLOTARSUS*. *Steph.* Three species.

A. rufipes, *Fab.* Obscure pitchy black; legs either fulvous or pitchy; about four lines; meadows and pastures. *Pl.* 48, *fig.* 5.

Genus [356]. *SYNAPTUS*. *Esch.* (*CTENONYCHUS*, *Steph.*) One species.

S. filiformis, *Fab.* (*hirsutus*, *Steph.*) Brownish black; thickly covered with long mouse-coloured hair; antennæ and legs varying from testaceous to pitchy; about five or six lines; Bristol? *Pl.* 48, *fig.* 6.

Genus [357]. *ATHOÛS*. *Esch.* Nine species?

A. vittatus, *Fab.* Pale pitchy black; pubescent; posterior angles of the thorax, elytra (excepting their lateral margins), base of antennæ and legs all testaceous; about five lines; New Forest and Hampstead, not common. *Pl.* 48, *fig.* 7.

Genus [358]. *CAMPYLUS*. *Fischer.* One species.

C. linearis, *Lin.* Either testaceous, with the head and thorax red, or the elytra black and the lateral margins reddish, the thorax varying from black to reddish testaceous, or sometimes merely its disk; about six or seven lines; not uncommon in hedges. *Pl.* 48, *fig.* 8.

TRIBE II. MALACODERMATA. SHUCK.

Family [47]. CEBRIONIDÆ. Leach.

Genus [359]. *DASCILLUS*. *Latr.* (*ATOPA*, *Payk.*) One species.

D. cervinus, *Lin.* Either of a dusky mouse colour or fuscous testaceous; antennæ and legs testaceous; about five lines; not uncommon in hedges. *Pl.* 49, *fig.* 1.

Family [48]. ELODIDÆ. Shuck.

Genus [360]. *SCIRTES*. *Illig.* Two species?

S. hemisphæricus, *Lin.* Black; slightly pubescent and shining; base of antennæ and the tibiæ and tarsi testaceous; about two lines; marshy places, by sweeping. *Pl.* 49, *fig.* 2.

Genus [361]. *ELODES*. *Latr.* (*CYPHON*, *Payk.*) Seventeen species.

E. lividus, *Fab.* Livid testaceous; disk of thorax and apex of antennæ fuscous or blackish; nearly three lines; common in humid situations. *Pl.* 49, *fig.* 3.

Genus [362]. *EUBRIA*. *Ziegler.* One species.

E. palustris, *Germ.* Pitchy black and shining; base of antennæ, apex of tibiæ, and tarsi testaceous; about one line; marshy places near Edinburgh and Oxford. *Pl.* 49, *fig.* 4.

Family [49]. LAMPYRIDÆ. Leach.

Genus [363]. *DRILUS*. *Oliv.* One species.

D. flavescens, *Oliv.* Male black, with the elytra yellowish testaceous and pubescent. The female subcylindrical, fleshy, of a bright orange, with an obscure marking on each side of each segment above. Male, about three lines—female, about ten lines; male common in woods and grassy places; both sexes parasitic in the larva state upon snails. *Pl.* 49, *fig.* 7 and 8.

Genus [364]. *LAMPYRIS*. *Lin.* One species.

L. noctiluca, *Lin.* Fuscous; margins of the thorax pale; from six to eight lines; grassy places; not uncommon in Kent. *Pl.* 49, *fig.* 5 and 6.

Genus [365]. *DICTYOPTERUS*. *Latr.* One species.

D. minutus, *Fab.* Intense black; pubescent; elytra of a rich blood red, and from their sculpture appearing

reticulated; apex of antennæ fulvous; about four lines; woods, in the South of England; rare. *Pl. 50, fig. 1.*

Family [50]. TELEPHORIDÆ. Leach.

Genus [366]. *SILIS*. *Megerle*. One species. The male has the antennæ serrated, and the lateral emargination of the thorax deeper.

S. ruficollis, *Fab.* Black and shining; thorax red testaceous; antennæ and legs sometimes pitchy; about four lines; grassy places, especially near marshes; not common. *Pl. 50, fig. 2.*

Genus [367]. *TELEPHORUS*. *De Geer*. Twenty-eight species?

T. fuscus, *Lin.* Black; thorax, excepting the anterior margin, and the three basal joints of the antennæ red; legs obscure pitchy; about eight lines; hedges; not uncommon. *Pl. 50, fig. 3.*

Genus [368]. *PODABRUS*. *Fischer*. One species.

P. alpinus, *Payk.* Testaceous; thorax with an obscure discoidal spot; elytra either testaceous or slaty; posterior legs and all the tarsi obscure; about seven lines; trees in woods; not uncommon. *Pl. 50, fig. 4.*

Genus [369]. *RAGONYCHA*. *Esch.* Five species.

R. melanura, *Fab.* Reddish testaceous; antennæ and tarsi obscure; apex of the elytra black; about four lines; common. *Pl. 50, fig. 5.*

Genus [370]. *MALTHINUS*. *Latr.* Nineteen species.

M. flaveolus, *Payk.* Yellow testaceous; forehead blackish; disc of the thorax with two obscure spots; elytra fuscous, bright yellow at the apex, and the antennæ obscure at the tip; about three lines; trees, by beating; not uncommon. *Pl. 50, fig. 6.*

Family [51]. MELYRIDÆ.

Genus [371]. *MALACHIUS*. *Fab.* Fifteen species. In the female the antennæ are simple.

M. æneus, *Lin.* Metallic green; head yellow in front; anterior angles of the thorax and the elytra vermilion red, with an elongate triangular spot at the base, extending about half way down the suture, green; about four and a half lines; not uncommon in meadows and gardens. *Pl. 51, fig. 1.*

Genus [372]. *APLOCNEMUS*. *Steph.* One species.

A. impressus, *Marsh.* Bronzy, with a pale pubescence;

legs varying from fulvous to metallic black; about three lines; flowers, especially of the whitethorn. *Pl.* 51, *fig.* 2.

Genus [373]. *DASYTES*. *Payk.* Seven species.

D. cæruleus, *Fab.* Green or blue; antennæ black; about three lines; on the coasts, on flowers. *Pl.* 51, *fig.* 3.

Genus [374]. *DOLICHOSOMA*. *Steph.* One species.

D. linearis, *Fab.* Pale opaque green; pubescent; antennæ and legs metallic black; about three lines; the eastern coasts; not common. *Pl.* 51, *fig.* 4.

TRIBE III. SARCOTROGI. SHUCK.

Family [52]. *TILLIDÆ*. Leach.

Genus [375]. *TILLUS*. *Oliv.* One species.

T. elongatus, *Lin.* Bluish black; pubescent; thorax of a pale vermilion red; the male hitherto regarded as another species by the name of *T. ambulans*, *Fab.* is entirely black; about four lines; hedges and felled timber in woods. *Pl.* 52, *fig.* 1.

Genus [376]. *TILLOIDEA*. *Laporte.* One species.

T. unifasciata, *Oliv.* Black; pubescent; elytra red from the base about one-third of their length, and a yellowish white transverse fascia just beyond the middle; about three lines; Camberwell, on palings. *Pl.* 52, *fig.* 2.

Genus [377]. *OPILUS*. *Latr.* Two species.

O. mollis, *Lin.* Fuscous; pubescent; forehead, anterior margin of the thorax and the elytra, with an oblique fascia at the base, another beyond the middle, and the apex, and also the legs, all testaceous; antennæ pale red; about four or four and a half lines; hedges and beneath bark. *Pl.* 52, *fig.* 3.

Genus [378]. *THANASIMUS*. *Latr.* One species.

T. formicarius, *Lin.* Red; pubescent; head, anterior margin of the thorax and elytra black; the latter red at the base, and having two white bands, the anterior one angulated and placed just behind the basal red marking, the other towards the apex, less angulated and much broader; antennæ fuscous at the apex, and the tarsi pitchy; about four lines; beneath bark and on felled timber. *Pl.* 52, *fig.* 4.

Genus [379]. *CLERUS*. *Geoffr.* Two species.

C. apiarius, *Lin.* Of a rich blue; slightly pubescent; thorax slightly punctured and very shining; elytra red, with two bands and the apex blue; antennæ and tarsi

fuscous; about six lines; very rare; hedges, Dover, Norfolk, &c. *Pl. 52, fig. 5.*

Genus [380]. *NECROBIA. Oliv.* Four species.

N. ruficollis, Oliv. Blue, shining; pubescent; thorax, base of elytra and legs red; antennæ black; about two and a half lines; bones and carrion; not uncommon. *Pl. 52, fig. 6.*

Genus [381]. *CORYNETES. Payk.* One species.

C. violaceus, Lin. Bright shining blue; pubescent; antennæ black, the base paler; about two lines; carrion; common. *Pl. 52, fig. 7.*

TRIBE IV. HYLEPHAGI. SHUCKHARD.

Family [53]. *BOSTRICHIDÆ. Leach.*

Genus [382]. *SPHINDUS. Dejean.* One species.

S. dubia, Gyll. (Gyllenballii, Dej.) Brown black, shining; antennæ and legs red; one line and a half; beneath bark; Sherwood Forest; rare. *Pl. 53, fig. 1.*

Genus [383]. *CIS. Latr.* Thirteen species.

C. Boleti, Fab. Chesnut brown; slightly pubescent; antennæ and legs fulvous; nearly two lines; in *Boleti*; common. *Pl. 53, fig. 2.*

Genus [384]. *BOSTRICHUS. Geoffr.* One species.

B. capucinus, Lin. Opaque black; slightly pubescent; elytra and tarsi red; about five lines; woods and forests; not common. *Pl. 53, fig. 3.*

Genus [385]. *APATE. Fab.* One species.

A. sinuata, Fab. Pitchy black or chesnut, shining; tarsi reddish; about three lines; Epping Forest and Hackney; rare. *Pl. 53, fig. 4.*

Genus [386]. *DINODERUS. Steph.* One species.

D. substriatus, Payk. Pitchy black, opaque; elytra brown; club of antennæ and legs reddish. *Pl. 53, fig. 5.*

Family [54]. *ANOBIIDÆ. Shuck.*

Genus [387]. *ANOBIUM. Fab.* Ten species.

A. striatum, Oliv. Pitchy brown, opaque; antennæ and legs reddish; nearly two lines; old timber; common. *Pl. 53, fig. 6.*

Genus [388]. *DRYOPHILUS. Chevrolat.* Three species.

D. pusillus, Gyll. (Anobioides, Guer.) Pitchy brown; antennæ and legs testaceous; about one line and a half; stumps of broom; Coombe Wood. *Pl. 53, fig. 7.*

Genus [389]. *DORCATOMA*. *Herbst*. Three species.

D. Dresdense, *Herbst*. Black; legs and antennæ reddish; eyes entire; about one line; decayed trees; Surrey and Suffolk. *Pl.* 53, *fig.* 8.

Family [55]. *PTILINIDÆ*. Shuck.

Genus [390]. *LASIODERMA*. *Steph*. One species.

L. testaceum, *Steph*. Opaque testaceous; pubescent; legs and antennæ pale; about a line; old houses. *Pl.* 54, *fig.* 1.

Genus [391]. *OCHINA*. *Ziegler*. One species.

O. Ptinoides, *Marsh*. Chesnut brown; pubescent; elytra with two ashy pale bands, legs and antennæ reddish; about one line and a half; old dry stumps of ivy; not common. *Pl.* 54, *fig.* 2.

Genus [392]. *XILETINUS*. *Latr*. Two species?

X. pectinatus, *Fab*. Opaque black, clothed with silken pile; legs and antennæ red; about a line and a half; old trees. *Pl.* 54, *fig.* 3.

Genus [393]. *PTILINUS*. *Fab*. Two species.

P. pectinicornis, *Lin*. Opaque fuscous black; elytra brown; antennæ and legs testaceous; about two lines; old wood. *Pl.* 54, *fig.* 4.

Family [56]. *PTINIDÆ*. Leach.

Genus [394]. *HEDOBIA*. *Latr*. One species.

H. imperialis, *Lin*. Fuscous; pubescent; the sides of the thorax, the suture of the elytra (dilated at the base), two lateral spots at about two-thirds of their length, and their apex narrowly, all whitish; antennæ and legs fuscous; about two and a half lines; hedges; not uncommon. *Pl.* 54, *fig.* 5.

Genus [395]. *PTINUS*. *Lin*. Seven species.

P. Fur, *Lin*. Dirty reddish-brown; slightly pubescent; legs and antennæ fulvescent; the female is more robust and has a couple of interrupted whitish bands across the elytra; about two lines; houses, &c.; not uncommon. *Pl.* 54, *fig.* 6.

Genus [396]. *MEZIUM*. *Leach*. One species.

M. sulcatum, *Fab*. Head, antennæ, thorax and legs covered with ashy scales; elytra bright shining chesnut; about a line and a half; lumber rooms in old houses; not common. *Pl.* 54, *fig.* 7.

Genus [397]. *GIBBIUM*. *Scopoli*. (1777). One species.

G. Scotias, *Fab.* Bright shining chesnut; glabrous; antennæ and legs clothed with dirty yellowish scales; about one line; lumber cupboards in old houses; not common. *Pl.* 54, *fig.* 8.

TRIBE V. XYLOTROGI. LATR.

Family [57]. LYMEXYLONIDÆ. Steph.

Genus [398]. *HYLECÆTUS*. *Latr.* In the female the palpi are simple. One species.

H. dermestoides, *Lin.* Very variable in colour, but usually black, with the elytra and legs testaceous, the apex of the former black; three and a half to seven lines; Sherwood Forest, Notts; rare. *Pl.* 51, *fig.* 6.

Genus [399]. *LYMEXYLON*. *Fab.* In the female the palpi are simple. One species.

L. navale, *Lin.* Variable in colour, but usually testaceous, with the head, antennæ and apex of the elytra black; or with the thorax and whole elytra more or less clouded with black; three and a half to six lines; Windsor Forest; very rare. *Pl.* 51, *fig.* 5.

SECTION II. HETEROMERA. LATREILLE.

TRIBE I. TRACHELIDES. LATR.

Family [58]. PYROCHROIDÆ. Leach.

Genus [400]. *PYROCHROA*. *Geoffr.* Two species.

P. coccinea, *Lin.* Atrous; thorax above and the elytra of a bright blood-red; about seven lines; woods in Kent; not common. *Pl.* 55, *fig.* 1.

Family [59]. LAGRIDÆ. West.

Genus [401]. *LAGRIA*. *Fab.* One species.

L. hirta, *Lin.* Black, shining; very pubescent; elytra of a dirty pale testaceous; about four lines; common, on flowers. *Pl.* 55, *fig.* 2.

Family [60]. XYLOPHILIDÆ. Shuck.

Genus [402]. XYLOPHILUS. *Latr.* In the female the antennæ are shorter, and the second and third joints are nearly equal. One species.

X. oculus, *Payk.* Deep black; with the antennæ, elytra and legs dark testaceous; about one line and a half; from willows, by beating; not uncommon. *Pl. 55, fig. 3.*

Genus [403]. ADERUS. *West.* In the male the antennæ are longer. One species.

A. populneus, *Fab.* Red testaceous, covered with a close sericeous pubescence; with a waved band across the middle which extends laterally upwards towards the shoulders, and the apex broadly denuded; eyes black; about a line and a half; by sweeping in the air on sultry summer evenings in the vicinity of ivy; rare. *Pl. 55, fig. 4.*

Family [61]. NOTOXIDÆ. Steph.

Genus [404]. NOTOXUS. *Illig.* Two species.

N. monoceros, *Lin.* Variable in colour, but usually reddish-testaceous; elytra with black spots disposed in pairs, or sometimes nearly entirely black; about three lines; in sandy pastures, by sweeping. *Pl. 55, fig. 5.*

Genus [405]. ANTHICUS. *Fab.* Twelve species.

A. antherinus, *Lin.* Pitchy black, slightly shining; elytra with two humeral and one central common spot red; tibiæ and tarsi reddish testaceous; about two lines; hedges, by beating. *Pl. 55, fig. 6.*

Family [62]. MORDELLIDÆ. Leach.

Genus [406]. MORDELLA. *Lin.* Ten species.

M. fasciata, *Fab.* Deep black; elytra variegated with bright ashy down; from four to five lines; on flowers, in woods; not common. *Pl. 56, fig. 1.*

Genus [407]. ANASPIS. *Geoffr.* Eighteen species.

A. frontalis, *Lin.* Black; mouth, base of antennæ, forehead and anterior legs pale testaceous; about two lines; flowers in the spring; very common. *Pl. 56, fig. 2.*

Genus [408]. RHIPIPHORUS. *Fab.* One species.

R. paradoxus, *Lin.* Variable in colour; usually either

testaceous, with the head, antennæ, centre of the thorax, pectus, legs and tips of the elytra black—or black, with the posterior angles of the thorax and abdomen testaceous; about seven lines; flowers and wasps' nests, not uncommon in the latter. *Pl. 56, fig. 3.*

Family [63]. CANTHARIDÆ. Leach.

Genus [409]. SITARIS. *Latr.* One species.

S. humeralis, Fab. Black; elytra yellowish testaceous at the base; about six lines; parasitic on *Osmiæ*; Chelsea; very rare. *Pl. 56, fig. 4.*

Genus [410]. SYBARIS. *Steph.* One species.

S. immunis, Marsh. Fuscous; head, thorax, elytra and legs testaceous; the knees and tarsi of the latter black; five and a half lines; Rochford, Essex; very rare. *Pl. 56, fig. 5.*

Genus [411]. CANTHARIS. *Geoffr.* One species.

C. vesicatoria, Lin. Bright shining golden green or coppery; antennæ black; tarsi bluish; seven to ten lines; on the ash; Essex and near Southampton, in great profusion at times. *Pl. 56, fig. 6.*

Genus [412]. MELOË. *Lin.* Nine species.

M. violaceus, Marsh. Of a bright violet blue; from six lines to an inch long; meadows and heaths in the early spring and autumn; common. *Pl. 56, fig. 7.*

TRIBE II. MELASOMA. LATR.

Family [64]. BLAPSIDÆ. Leach.

Genus [413]. BLAPS. *Fab.* Three species.

B. fatidica, Sturm. Entirely of a deep bright black; nine to twelve lines; cellars and outhouses; not common. *Pl. 57, fig. 1.*

Genus [414]. PEDINUS. *Latr.* One species.

P. femoralis, Lin. Black, slightly shining; tip of antennæ and tarsi pitchy; four lines and a half; sandy places, Deal; very rare. *Pl. 57, fig. 2.*

Genus [415]. HELIOPHILUS. *Dejean?* Two species?

H. obsoletus, Marsh. Entirely black, slightly shining; five lines; coast of Suffolk; very rare. *Pl. 57, fig. 3.*

Family [65]. OPATRIDÆ. Shuck.

Genus [416]. PHYLAN. *Megerle*. One species.

P. gibbus, *Fab.* Entirely of a shining black; about four lines; sandy coasts; not uncommon. *Pl. 57, fig. 4.*

Genus [417]. OPATRUM. *Fab.* Two species.

O. sabulosum, *Lin.* Of a dull dirty black; opaque; antennæ pitchy; about four lines; sandy situations, especially the coasts. *Pl. 57, fig. 5.*

Genus [418]. CRYPTICUS. *Latr.* One species.

C. quisquilius, *Lin.* Shining black; antennæ, legs and tarsi pitchy; about three lines; sandy situations on the coasts; common. *Pl. 57, fig. 6.*

Family [66]. TENEBRIONIDÆ. Steph.

Genus [419]. ALPHITOBIOUS. *Steph.* One species.

A. picipes, *Steph.* Pitchy black; antennæ and legs reddish; two lines and a half; under turf and in flour; not common. *Pl. 58, fig. 1.*

Genus [420]. ULOMA. *Megerle*. The female has the mandibles simple. One species.

U. cornuta, *Fab.* Of a dull opaque red; eyes black; about two lines; in flour; not common. *Pl. 58, fig. 2.*

Genus [421]. TENEBRIO. *Lin.* Four species?

T. molitor, *Lin.* Entirely of an obscure pitchy black, slightly shining; about six or seven lines; in flour. *Pl. 58, fig. 2.*

Genus [422]. STENE. *Kirby*. One species.

S. ferruginea, *Fab.* Of a dull opaque red; nearly two lines; in flour. *Pl. 58, fig. 3.*

TRIBE III. TAXICORNES. LATR.

Family [67]. HYPOPHLEIDÆ. Shuck.

Genus [423]. HYPOPHLEUS. *Fab.* Four species.

H. castaneus, *Fab.* Bright shining chesnut; antennæ and legs a little paler; about three lines; beneath bark; Sherwood Forest. *Pl. 58, fig. 5.*

Genus [424]. BOLITOPHAGUS. *Fab.* One species.

B. Agricola, *Fab.* Of an opaque pitchy brown: antennæ and legs reddish; nearly two lines; Boleti in woods. *Pl. 58, fig. 6.*

Genus [425]. ALPHITOPHAGUS. *Steph.* One species.

A. quadripustulatus, *Davis.* Shining reddish or pale testaceous; elytra with the suture and two bands black; antennæ and legs pale; about one line and a half; in flour. *Pl.* 58, *fig.* 7.

Family [68]. SARROTRIIDÆ. *Shuck.*

Genus [426]. SARROTRIUM. *Illiger.* One species.

S. muticum, *Lin.* Entirely of an opaque obscure black; about two lines; sandy heaths; not common. *Pl.* 58, *fig.* 8.

Family [69]. DIAPERIDÆ. *West.*

Genus [427]. PHALERIA. *Latr.* One species.

P. cadaverina, *Fab.* Testaceous, slightly shining; disk of the elytra with a blackish or pitchy spot; antennæ and legs pale; about three lines; sandy coasts. *Pl.* 59, *fig.* 1.

Genus [428]. DIAPERIS. *Geoffr.* One species.

D. Boleti, *Lin.* Bright shining black; elytra with two waved yellow transverse bands and a spot at the apex of the same colour; about four lines; in Boleti; very rare. *Pl.* 59, *fig.* 2.

Genus [429]. PLATYDEMA. *Laporte.* Three species?

P. ænea, *Payk.* Bronzy black; base of antennæ and legs pitchy red; two lines and a half; stumps of trees; not uncommon, but local. *Pl.* 59, *fig.* 3.

TRIBE IV. STENELYTRA. *LATR.*

Family [70]. HELOPIDÆ. *Steph.*

Genus [430]. HELOPS. *Fab.* Four species.

H. cæruleus, *Fab.* Of a rich blue black; apex of the antennæ and the tarsi reddish brown; seven to nine lines; hollow trees, especially in gardens; not uncommon. *Pl.* 59, *fig.* 4.

Family [71]. CISTELIDÆ. *Leach.*

Genus [431]. ERYX. *Steph.* One species.

E. niger, *De Geer.* Entirely of a shining black; antennæ

and legs pitchy; six to eight lines; under bark and in hollow willows; Windsor; not common. *Pl.* 59, *fig.* 5.

Genus [432]. *MYCETOCHARUS*. *Latr.* One species.

M. scapularis, *Gyll.* Pitchy black and shining; basal joints of the antennæ, a humeral spot on the elytra, and the tibiæ and tarsi fulvous; about three lines; hollow willows; not common. *Pl.* 59, *fig.* 6.

Genus [433]. *CISTELA*. *Fab.* Five species.

C. ceramboides, *Lin.* Black; with the elytra testaceous; nearly six lines; flowers in June; not common. *Pl.* 59, *fig.* 7.

Genus [434]. *OMOPHLUS*. *De Jean.* One species.

O. Amerinæ, *Curtis.* Black, shining; elytra testaceous; apex of the tibiæ and the tarsi pitchy red or chesnut; about four lines; rare; Isle of Portland. *Pl.* 59, *fig.* 8.

Genus [435]. *CTENIOPUS*. *Solier.* One species.

C. sulphurea, *Lin.* Of a bright rich sulphur yellow; antennæ and tibiæ pale reddish; the apex of the former and the tarsi pitchy; about four lines; flowers on the coasts; common, but local. *Pl.* 60, *fig.* 1.

Family [72]. *NOTHIDÆ*. Shuck.

Genus [436]. *NOTHUS*. *Megerle.* Two species?

N. bipunctatus, *Fab.* Reddish testaceous; with the head, the apex of the antennæ, two spots on the thorax, knees of the femora, and the four posterior tarsi black; four to six lines; not uncommon in Monk's Wood, Hunts. *Pl.* 60, *fig.* 2.

Genus [437]. *CONOPALPUS*. *Gyll.* Two species.

C. testaceus, *Oliv.* Pale testaceous; apex of the antennæ brown; about three lines and a half; flowers in June; not common. *Pl.* 60, *fig.* 3.

Family [73]. *MELANDRYIDÆ*. Leach.

Genus [438]. *MELANDRYA*. *Fab.* Two species.

M. caraboides, *Lin.* Black and shining, with a slight metallic greenish or bluish reflection; apex of the antennæ and of the tarsi red; five to eight lines; trees and palings; common. *Pl.* 60, *fig.* 4.

Genus [439]. *PHLOIOTRYA*. *Steph.* One species.

P. rufipes, *Gyll.* Pitchy brown; base of antennæ, palpi and legs testaceous red; four to eight lines; rotten trees;

not common; Windsor, Sherwood and New Forests.
Pl. 60, fig. 5.

Genus [440]. *DIRCÆA*. *Fab.* One species.

D. variegata, *Fab.* Fuscous; antennæ and elytra testaceous, the latter mottled with fuscous; about three lines; old trees; Windsor; very rare. *Pl. 60, fig. 6.*

Genus [441]. *HYPULUS*. *Payk.* One species.

H. quercinus, *Payk.* Pitchy red; thorax dark; antennæ and elytra dull red; the latter with a curved line at the base, another waved about the middle, and the apex black; legs fulvous; nearly four lines; old trees; rare. *Pl. 60, fig. 7.*

Genus [442]. *ABDERA*. *Steph.* Three species?

A. quadrifasciata, *Curt.* Pitchy brown; anterior and posterior margins of the thorax and two waved bands on the elytra, as well as the antennæ and legs, testaceous; about two lines; flowers in hedges; rare. *Pl. 60, fig. 8.*

Genus [443]. *SCRAPTIA*. *Latr.* Two species.

S. nigricans, *Steph.* Pitchy fuscous, covered with a golden pubescence; antennæ fuscous; legs testaceous; one line and a half; flowers in gardens; Surrey; rare. *Pl. 61, fig. 1.*

Genus [444]. *HALLOMENUS*. *Payk.* Three species.

H. dimidiatus, *Steph.* Brown, covered with a silky pile; elytra pale brown; legs testaceous; a little more than two lines; North of England; rare. *Pl. 61, fig. 2.*

Genus [445]. *ORCHESIA*. *Latr.* Three species.

O. micans, *Illig.* Pitchy brown, with a close silken pubescence; elytra a little paler; antennæ, palpi and legs testaceous; about two lines; in Boleti; not uncommon. *Pl. 61, fig. 3.*

Family [74]. *CEDEMERIDÆ*. Leach.

Genus [446]. *ISCHNOMERA*. *Steph.* In the female of the species figured the antennæ have eleven joints. Four species.

I. melanura, *Lin.* Head and thorax reddish testaceous; elytra covered with a silken pile, pale testaceous, with their apex black; antennæ and legs testaceous, the middle of the former and the four posterior thighs fuscous; five to eight lines; coasts, near timber. *Pl. 61, fig. 4.*

Genus [447]. *CEDEMERA*. *Oliv.* In the female the legs are simple. Three species.

C. cærulea, *Lin.* Of a rich golden green, shining; antennæ and tarsi black; about five or six lines; flowers; common. *Pl. 61, fig. 5.*

Genus [448]. *ONCOMERA*. *Steph.* The female has the legs simple. One species.

O. femorata, *Fab.* Pale fuscous; sides of the thorax and a ring at the knees of the femora black; seven to nine lines; flying at night; Kent, Surrey and Berks; rare. *Pl.* 61, *fig.* 6.

Family [75]. *SALPINGIDÆ*. *Leach.*

Genus [449]. *MYCTERUS*. *Clairv.* One species.

M. griseus, *Clairv.* Black, with a greenish grey pile; about four lines; hedges; Devonshire; very rare. *Pl.* 61, *fig.* 7.

Genus [450]. *SPHÆRIESTES*. *Kirby.* Five species.

S. foveolatus, *Ljung.* Brassy black and shining; base of antennæ and tarsi reddish; about two lines and a half; under elms; Scotland; not common. *Pl.* 61, *fig.* 8.

Note.—It is here that the genus *LISSODEMA*, *Curt.* should be placed, instead of among the *Engidæ*, for its type is an insect congeneric with the *Sphæriestes quadri pustulatus*, *Marsh.* which was the original type of Mr. Kirby's genus *Sphæriestes*, but the *Sph. niger* having been treated as such, and as there are evidently two forms of structure in the antennæ of the genus, it will be convenient to treat those in which the club is gradually formed, of which the type is the *niger*, and to which the one-figured belongs, as the genus *Sphæriestes*, and those in which the club distinctly consists of three joints, as *Lissodema*.

Genus [451]. *SALPINGUS*. *Illig.* Three species.

S. ruficollis, *Lin.* Bright fulvous, shining; elytra bluish or green; head between the eyes and apex of the antennæ fuscous; about two lines; beneath bark and in hedges by beating; not common. *Pl.* 61, *fig.* 9.

SECTION III. *TETRAMERA*. *LATREILLE.*

SUBDIVISION I. *RHYNCHOPHORA*. *LATR.*

TRIBE I. *SPURII*. *SCHÖN.*

Family [76]. *RHINOMACERIDÆ*. *Shuck.*

Genus [452]. *RHINOMACER*. *Fab.* One species.

R. Attelaboïdes, *Fab.* Greenish, covered with grey pubes-

cence; antennæ and legs testaceous; three lines; the North of Scotland; very rare. *Pl.* 62, *fig.* 7.

Family [77]. ANTHRIDÆ. Shuck.

Genus [453]. CHORAGUS. *Kirby*. Two species?

C. Sheppardi, *Kirby*. Brownish black; antennæ and legs pitchy; nearly a line; willows and grassy places, on heaths; very rare. *Pl.* 62, *fig.* 2.

Genus [454]. ANTHRIBUS. *Fab.* One species. In the female the antennæ are shorter.

A. albinus, *Lin.* Brown, covered with scales; the head above, two spots in the centre of the elytra, and their apex, white; the latter variegated with a few black tufts; the eighth and ninth joints of the antennæ also white; and the legs variegated; from four to six lines; within old wood; not common. *Pl.* 62, *fig.* 3.

Genus [455]. TROPIDERES. *Schön.* Two species.

T. niveirostris, *Oliv.* Blackish, with the head above, the scutellum, shoulders, and apex of the elytra and pygidium, white; antennæ reddish testaceous; the club darker; legs variegated with white; three lines; hedges; not common. *Pl.* 62, *fig.* 4.

Genus [456]. PLATYRHINUS. *Clairv.* One species.

P. latirostris, *Bons.* Bluish black; the head above and the apex of the elytra dirty white; their surface and the legs also mottled with white and black; about six lines; old wood; Worcestershire. *Pl.* 62, *fig.* 5.

Genus [457]. BRACHYTARSUS. *Schön.* Two species.

B. scabrosus, *Fab.* Black; elytra red, variegated with black and whitish tufts; about two lines; beneath the bark of elms; not uncommon. *Pl.* 62, *fig.* 6.

Family [78]. BRUCHIDÆ. Leach.

Genus [458]. BRUCHUS. *Geoffr.* Twelve species?

B. Pisi, *Lin.* Black, mottled with white; the pygidium white, with two black spots; the base of the antennæ and the anterior legs testaceous; about two lines; common in the vicinity of pea fields. *Pl.* 62, *fig.* 1.

TRIBE II. GENUINI. SCHÖN.

RACE I. ORTHOCERI. SCHÖN.

Family [79]. ATTELABIDÆ. West.

Genus [459]. APODERUS. *Oliv.* One species.

A. Avellanæ, *Oliv.* Red; with the head, antennæ, scutel-

lum, knees and tarsi black, and sometimes the centre of the thorax; about three lines; common on the hazel. *Pl.* 63, *fig.* 1.

Genus [460]. *ATTELABUS*. *Lin.* One species.

A. *Curculionoides*, *Lin.* Red; with the head, antennæ, scutellum and legs black; about three lines; common on the hazel. *Pl.* 63, *fig.* 2.

Genus [461]. *RHYNCHITES*. *Herbst.* Eighteen species?

R. *Bacchus*? *Lin.* Of a rich golden copper; the rostrum bluish; antennæ and tarsi black; about four lines; on the blackthorn; very rare. *Pl.* 63, *fig.* 4.

Genus [462]. *DEPORAÛS*. *Leach.* One species.

D. *Betulæ*, *Lin.* Entirely of a deep shining black; about two lines; common in woods on the birch. *Pl.* 63, *fig.* 3.

Family [80]. *APIONIDÆ*. Shuck.

Genus [463]. *APION*. *Herbst.* Sixty-eight species?

A. *frumentarium*, *Lin.* Of a uniform blood red; about two lines; common on the leaves of dock. *Pl.* 63, *fig.* 7.

Genus [464]. *OXYSTOMA*. *Leach.* Three species?

O. *Ulicis*, *Forst.* Black, densely clothed with a silvery grey decumbent pubescence; anterior legs and the base of the antennæ fulvous; about a line and a half; on the furze; common. *Pl.* 63, *fig.* 6.

Family [81]. *RHAMPHIDÆ*. Shuck.

Genus [465]. *RHAMPHUS*. *Clairv.* One species.

R. *pulicarius*, *Herbst.* Deep black and shining; the base of the antennæ fulvous; not quite a line; common on the birch and willow. *Pl.* 63, *fig.* 5.

RACE II. *GONATOCERI*. SCHÖN.

BAND I. *MECORHYNCHI*. SCHÖN.

Family [82]. *COSSONIDÆ*. Shuck.

Genus [466]. *RHYNCOLUS*. *Germ.* Four species.

R. *truncorum*, *Schüp.* Blackish brown, with a brassy tinge; antennæ and legs piceous; about a line and a half; beneath bark; Ireland. *Pl.* 64, *fig.* 1.

Genus [467]. *COSSONUS*. *Clairv.* Two species.

C. *linearis*, *Fab.* Black, pitchy, or testaceous; the antennæ and legs paler; about three lines; on willows; not common. *Pl.* 63, *fig.* 8.

Family [83]. CALANDRIDÆ. Shuck.

Genus [468]. CALANDRA. *Clairv.* Two species.*C. granaria*, *Lin.* Of a uniform pitchy black; antennæ and legs pitchy red; nearly two lines; in granaries. *Pl.* 64, *fig.* 2.

Family [84]. CIONIDÆ. Shuck.

Genus [469]. NANOPHYES. *Schön.* (*Spherula*, *Steph.*) One species.*N. Lythri*, *Fab.* Black, with a greyish down; the elytra with a testaceous angulated band, the base of the antennæ, and the tibiæ and tarsi fulvous; about one line; on *Lythrum salicariæ*; not common. *Pl.* 64, *fig.* 3.Genus [470]. MECINUS. *German.* Three species.*M. Pyrausta*, *Herbst.* (*semicylindricus*, *Marsh.*) Black, loosely covered with grey pile; about two lines; common in marshy meadows. *Pl.* 64, *fig.* 4.Genus [471]. GYMNETRON. *Schön.* (and *RHINUSA* and *MIARUS*, *Steph.*) Eight species.*G. Beccabungæ*, *Lin.* Black, covered with a dense ashy pubescence; base of the antennæ and the tibiæ and tarsi fulvous; about a line and a half; grassy places; not common. *Pl.* 64, *fig.* 5.Genus [472]. CIONUS. *Clairv.* (and *CLEOPUS*, *Steph.*) Six species.*C. Scrophulariæ*, *Lin.* Blue black; the thorax cream-coloured; the elytra with two common black marks on the suture, the one near the scutellum, and the other towards the apex, the former edged behind, and the latter in front, with white; and each elytron with four alternate rows of black and white tessellated spots; about two lines and a half; common on the *Scrophularia* in ditches. *Pl.* 65, *fig.* 1.

Family [85]. CRYPTORHYNCHIDÆ. Shuck.

Genus [473]. OROBITIS. *Germ.* One species.*O. cyaneus*, *Lin.* Bright blue black, shining; antennæ and legs pitchy; about a line and a half; grassy places; not common. *Pl.* 65, *fig.* 2.Genus [474]. RHYTIDOSOMA. *Steph.* One species.*R. globula*, *Herbst.* Black and shining; the scutellum white; about one line; willows, marshy places. *Pl.* 65, *fig.* 3.

Genus [475]. *POOPHAGUS*. *Schön*. Two species.

P. Sisymbrii, *Fab*. Brownish black, densely clothed with ashy scales, and having several denuded spots on the thorax and elytra; about two lines; not uncommon on the *Sisymbrium amphibium* in marshy places. *Pl.* 65, *fig.* 4.

Genus [476]. *RHINONCHUS*. *Schön*. Eight species?

R. pericarpus, *Lin*. Brown black; scutellum pale; antennæ and legs pitchy red; about two lines; common on thistles. *Pl.* 65, *fig.* 5.

Genus [—]. *NEDYUS*. (*Schön*. formerly.) *Steph*. Thirty-three species.

N. pollinarius, *Forst*. Brownish black, maculated with ashy scales; antennæ and legs dark pitchy; about two lines; common on nettles. *Pl.* 65, *fig.* 6.

Genus [477]. *CEUTORHYNCHUS*. *Schüp*. Eleven species.

C. Quercus, *Herbst*. Blackish or reddish brown; elytra undulated with ashy scales; about one line and a quarter; common on oaks. *Pl.* 65, *fig.* 7.

Genus [478]. *ACALLES*. *Schön*. Four species.

A. Ptinoides, *Marsh*. Brown black; the setæ and a transverse line of tufts in the centre of the elytra deep black, the apex of the latter lutescent; one line and a half; sandy heaths; not common. *Pl.* 65, *fig.* 8.

Genus [479]. *MONONYCHUS*. *Schüp*. One species.

M. Pseudacori, *Fab*. Entirely of an opaque black; about two lines; in the seed pods of the *Îris*; Isle of Wight; local, but not uncommon. *Pl.* 66, *fig.* 1.

Genus [480]. *CELIODES*. *Schön*. One species.

C. Geranii, *Payk*. Black, with grey scales; about one line and a half; widely distributed, but not common; on the *Geranium pratense*. *Pl.* 66, *fig.* 2.

Genus [481]. *CRYPTORHYNCHUS*. *Illig*. One species.

C. Lapathi, *Lin*. Black, variously mottled with white and brown scales and black tufts; an angulated whitish band proceeding from the shoulders and the posterior portion of the elytra also whitish; femora with alternate white and black rings; about four lines and a half; common on willows in marshy places. *Pl.* 66, *fig.* 3.

Family [86]. *BARIDIDÆ*. Shuck.

Genus [482]. *BARIDIUS*. *Schön*. (*BARIS*. *Steph*.) Five species.

B. T. album, *Lin*. (*Atriplicis*, *Steph*.) Bright shining black, covered beneath with white scales; the plane interstices on the elytra properly covered with lines of

light scales; about two lines; humid meadows; Battersea, by sweeping. *Pl. 66, fig. 4.*

Family [87]. ERIRHINIDÆ. Shuck.

Genus [483]. BAGOUS. *Germ.* Four species.

B. binotatus, *Steph.* Black, with brownish scales, and each elytron, just beyond the middle, having a pale spot; about a line and a half; humid meadows; Battersea. *Pl. 66, fig. 5.*

Genus [484]. LYPRUS. *Schön.* One species.

L. cylindrus, *Gyll.* Densely covered with ashy scales; about one line and a quarter; very rare; on the water-cresse. *Pl. 66, fig. 6.*

Genus [485]. ORTHOCHÆTES. *Müller.* One species.

O. setiger, *Germ.* Reddish; the elevated interstices of the elytra having a row of erect setæ; about one line; rare. *Pl. 66, fig. 7.*

Genus [486]. TACHYERGES. *Schön.* Five species.

T. stigma, *Germ.* Entirely bright black; the scutellum snowy white; about a line and a half; marshy places; not uncommon. *Pl. 66, fig. 8.*

Genus [487]. ORCHESTES. *Illig.* Fifteen species?

O. Quercus, *Lin.* Reddish testaceous; the elytra with a large triangular cinereous spot in front; about two lines; common on the oak. *Pl. 67, fig. 1.*

Genus [488]. ANOPLUS. *Schön.* One species.

A. plantaris, *Næzen.* Bright shining black; scutellum whitish; nearly one line; by beating the birch; not common. *Pl. 67, fig. 2.*

Genus [489]. PACHYRHINUS. *Kirby.* (*PHYTOBIUS. Schön.*) Eight species.

P. Myriophylli, *Gyll.* Black, densely clothed with lutescent scales; legs testaceous; about a line and a half; on the water dock; not common. *Pl. 67, fig. 3.*

Genus [490]. SIBYNES. *Schön.* Three species.

S. arenariæ, *Kirby.* Densely clothed with brownish satiny scales; the elytra with a darker spot gradually expanding from the scutellum and abruptly truncated; this edged with silvery grey; antennæ and legs testaceous; about a line; sandy places; Hampstead. *Pl. 67, fig. 4.*

Genus [491]. MICCOTROGUS. *Schön.* Two species?

M. picirostris, *Schön.* Pitchy red, densely covered with ashy scales; the base of the antennæ, apex of the rostrum, and the tibiæ and tarsi red or testaceous; about a line; grass, beneath fir trees; not uncommon. *Pl. 67, fig. 5.*

Genus [492]. *TYCHIVS*. *Germ.* Eight species.

T. venustus, *Fab.* Black, covered with brownish scales, with three longitudinal pale lines, one central and two lateral; tibiæ and tarsi rufo-ferruginous; about two lines; sandy heaths. *Pl.* 67, *fig.* 6.

Genus [493]. *AMALUS*. *Schön.* Two species?

A. Scortillum, *Herbst.* Black; the base of the suture with ashy scales; apex of elytra and legs red; about one line; marshy places. *Pl.* 67, *fig.* 7.

Genus [494]. *BALANINUS*. *Germ.* Ten species.

B. Nucum, *Lin.* Densely covered with yellowish or ashy scales, which are mottled on the elytra; rostrum, antennæ and legs pitchy red; about four or five lines, including the rostrum; on the nut; common. *Pl.* 67, *fig.* 8.

Genus [495]. *ANTHONOMUS*. *Germ.* Eight species.

A. Ulmi, *De Geer.* Reddish testaceous; thorax with a white central longitudinal line; the scutellum and a posterior band on the elytra white; the shoulders mottled; about two lines; flowers, in hedges. *Pl.* 68, *fig.* 1.

Genus [496]. *ELLESCUS*. *Megerle.* One species.

E. bipunctatus, *Lin.* Black, densely covered with ashy scales; the elytra, just beyond the centre, having two denuded spots; tibiæ and tarsi reddish; about a line and a half; Scotland; not common. *Pl.* 68, *fig.* 2.

Genus [497]. *HYDRONOMUS*. *Schön.* One species.

H. Alismatis, *Marsh.* Black, variegated with whitish ashy scales; tibiæ testaceous; about two lines; brooks, on the *Alismatis plantago*; not uncommon. *Pl.* 68, *fig.* 3.

Genus [498]. *GRYPIDIUS*. *Schön.* One species.

G. equiseti, *Fab.* Black, variegated with whitish scales; the elytra with their margin and two discoidal spots white; about four lines; on the horse-tail grass, in marshy places; not uncommon. *Pl.* 68, *fig.* 4.

Genus [499]. *ERIRHINUS*. *Schön.* Three species.

E. Nereis, *Payk.* Fusco-piceous, densely covered with ashy scales; elytra with a common pitchy spot in front; legs ferruginous; about two lines; marshy places. *Pl.* 68, *fig.* 5.

Genus [—]. *DORYTOMUS*. *Steph.* (*ERIRHINUS*. *Schön.*) Nine species.

D. vorax, *Herbst.* (*longimanus*, *Forst.*) Pitchy black, densely covered and variegated with ashy scales; antennæ and legs ferruginous; about three lines; willows, marshy places. *Pl.* 68, *fig.* 6.

Genus [—]. *NOTARIS*. *Steph.* (*ERIRHINUS*. *Schön.*) Four species.

N. bimaculatus, *Fab.* Black, opaque, densely covered with

fuscous scales; the elytra with two white pilose spots just beyond the middle; about four lines and a half; marshy places. *Pl.* 68, *fig.* 7.

Genus [500]. THAMNOPHILUS. *Schön.* (MAGDALIS, RHINODES, PANUS. *Steph.*) Seven species?

T. barbicornis? *Latr.* Black, opaque; the base of the antennæ ferruginous; the clava fuscous; about two lines; whitethorn hedges; not uncommon. *Pl.* 68, *fig.* 8.

Genus [501]. PISSODES. *Germ.* Three species.

P. Pini, *Fab.* Rufo-piceous, variegated with paler scales and two transverse bands; about four lines; fir trees; Scotland; very rare. *Pl.* 69, *fig.* 1.

Genus [502]. RHINOCYLLUS. *Germ.* One species.

R. latirostris, *Latr.* Black, variegated with tufts of yellowish pile, antennæ and tarsi pitchy; about four lines; coasts; not common. *Pl.* 69, *fig.* 2.

Genus [503]. RHINOBATUS. *Megerle.* One species.

R. Carlinæ, *Oliv.* (*planus*, *Steph.*) Black, tessellated with cinereous pubescence; about four lines; coasts. *Pl.* 69, *fig.* 3.

Genus [504]. LARINUS. *Schüp.* One species.

L. Stephensii, *Shuck.* (*sturnus?* *Steph.*) Black; sides of the thorax ashy; elytra with tufts of grey pile; the third interstice with an interrupted whitish band; six lines; hedges; Merton, near Kingston. ? British. *Pl.* 69, *fig.* 4.

Genus [505]. LIXUS. *Fab.* Four species;

L. paraplecticus, *Lin.* Black, densely covered with greenish yellow scales, or decumbent down, which is frequently more or less denuded; antennæ with the base reddish; about six or seven lines; common on the banks of the Thames. *Pl.* 69, *fig.* 5.

BAND II. BRACHYRHYNCHI. SCHÖN.

Family [88]. OTIORHYNCHIDÆ. Shuck.

Genus [506]. OTIORHYNCHUS. *Germ.* Nineteen species?

O. sulcatus, *Fab.* Black, mottled with brown scales; about five lines; common in hedges. *Pl.* 69, *fig.* 6.

Family [89]. OMIADÆ. Shuck.

Genus [507]. OMIAS. *Schön.* (BRACHYSOMUS and partly OTIORHYNCHUS, *Steph.*) Four species.

O. hirsutulus, *Fab.* Blackish brown or testaceous; antennæ and legs testaceous; thorax and elytra covered with erect setæ; nearly two lines; sandy places. *Pl.* 70, *fig.* 1.

Genus [508]. *TRACHYPHLEUS*. *Germ.* Six species.

T. scabriculus, *Lin.* Entirely of a dirty brown; legs and antennæ slightly testaceous; two to three lines; sandy heaths, in pits. *Pl.* 70, *fig.* 2.

Family [90]. *PHYLLOBIIDÆ*. Shuck.

Genus [509]. *PHYLLOBIUS*. *Schön.* Nine species? N.B. All the femora are either toothed or simple.

P. Pyri, *Lin.* Black, covered with bluish or greenish scales; legs and antennæ red; three to four lines; common upon nettles. *Pl.* 70, *fig.* 3.

Genus [—]. *NEMOICUS*. *Dillw.* One species.

N. oblongus, *Lin.* Usually brown, with the head and thorax darker: legs and antennæ testaceous; about three lines; common in hedges. *Pl.* 70, *fig.* 4.

Family [91]. *MOLYTIDÆ*. Shuck.

Genus [510]. *PROCAS*. *Steph.* One species.

P. picipes, *Marsh.* Black, mottled with a few ashy hairs; antennæ and tarsi pitchy; three to four lines; marshy places. *Pl.* 70, *fig.* 5.

Genus [511]. *PHYTONOMUS*. *Schön.* (*HYPERA*. *Steph.*) Twenty-two species?

P. Polygoni, *Lin.* Black or brown, covered with brown scales; the thorax with three longitudinal pale lines, and the elytra with others, of which there are several near the suture, the apex of which has a denticulated one; nearly four lines; sandy corn fields. *Pl.* 70, *fig.* 6.

Genus [512]. *PLINTHUS*. *Germ.* One species.

P. caliginosus, *Fab.* Entirely of a dull opaque black; about five lines; chalky districts, under stones. *Pl.* 70, *fig.* 7.

Genus [—]. *LEIOSOMA*. *Kirby.* One species.

L. ovatula, *Clairv.* Entirely bright shining black; antennæ and legs occasionally pitchy; about two lines; moist meadows, by sweeping. *Pl.* 70, *fig.* 8.

Genus [513]. *MOLYTES*. *Schön.* Two species.

M. Germanus, *Lin.* Intensely black and shining, slightly mottled with ashy hairs; about eight lines; chalky districts. *Pl.* 71, *fig.* 1.

Genus [514]. *HYLOBIUS*. *Germ.* Two species.

H. Abietis, *Lin.* Black, covered with brown scales, with

some transverse irregular abbreviated paler bands; six to eight lines; fir plantations. *Pl.* 71, *fig.* 2.

Genus [515]. *TANYSPHYRUS*. *Germ.* One species.

T. Lemnæ, *Fab.* Black, with symmetrical patches of ashy hair; about one line; banks of weedy ditches. *Pl.* 71, *fig.* 3.

Family [92]. *CLEONIDÆ*. Shuck.

Genus [516]. *BARYNOTUS*. *Germ.* Three species?

B. Mercurialis, *Fab.* Black, clothed with dirty brown scales; three and a half lines; chalky districts. *Pl.* 71, *fig.* 5.

Genus [—]. *MERIONUS*. *Megerle.* Two species.

M. obscurus, *Fab.* Obscure black, thickly mottled with fuscous scales; about four and a half lines; sandy heaths, in pits. *Pl.* 71, *fig.* 4.

Genus [517]. *LIOPHLÆUS*. *Germ.* One species.

L. nubilus, *Fab.* Black, covered with ashy scales; elytra mottled with fuscous; antennæ pitchy—sometimes completely denuded, and then obscure black; about four to five lines; hedges, by beating. *Pl.* 71, *fig.* 6.

Genus [518]. *ALOPHUS*. *Schön.* One species.

A. triguttatus, *Fab.* Black, densely clothed with fuscous scales; the elytra with a spot in their centre towards the base, and one common to both, V shaped, towards the apex; antennæ pitchy; about four lines; moist meadows, by sweeping. *Pl.* 71, *fig.* 7.

Genus [519]. *GRONOPS*. *Schön.* One species.

G. lunatus, *Fab.* Completely covered with fuscous scales; the head and two transverse bands on the elytra paler; about three lines; pits in sandy places. *Pl.* 71, *fig.* 8.

Genus [520]. *BOTHYNODERES*. *Schön.* One species.

B. albidus, *Fab.* Blackish brown, variously but symmetrically mottled and maculated with white scales; about six lines; gravel pits; very rare. *Pl.* 72, *fig.* 1.

Genus [521]. *CLEONUS*. *Schön.* Four species.

C. nebulosus, *Lin.* Black, variegated with reddish and ashy scales; the suture reddish; and the elytra with two oblique denuded bands; five to nine lines; heaths; New Forest. *Pl.* 72, *fig.* 2.

Family [93]. *BRACHYDERIDÆ*. Shuck.

Genus [522]. *POLYDROSUS*. *Schön.* Twelve species.

P. undatus, *Fab.* Black, covered with brownish metallic scales; elytra with two or three undulated bands of

darker scales; antennæ and legs testaceous; two and a half lines; hedges; not uncommon. *Pl. 72, fig. 3.*

Genus [523]. *SITONA*. *Germ.* Thirteen species?

S. puncticollis, *Kirby*. Clothed with fuscous scales; the thorax with two pale lateral stripes; base of antennæ, tibiæ and tarsi red; about three lines. *Pl. 72, fig. 4.*

Genus [524]. *TANYMECUS*. *Germ.* One species.

T. palliatus, *Fab.* Closely covered with fuscous scales; the sides paler; about five lines; sandy places; not common. *Pl. 72, fig. 5.*

Genus [525]. *SCIAPHILUS*. *Schön.* One species.

S. muricatus, *Fab.* Clothed with ashy or silvery fuscous scales intermixed with hairs; antennæ and legs pitchy; about three lines; weedy places in woods. *Pl. 72, fig. 6.*

Genus [526]. *STROPHOSOMUS*. *Billb.* Eleven species?

S. Coryli, *Fab.* Covered with fuscous and ashy scales; the apex of the elytra mottled; suture black about one-third of its length; antennæ and legs testaceous red; about three lines; on the hazel; common. *Pl. 72, fig. 7.*

Genus [527]. *CNEORHINUS*. *Schön.* (*PHILOPEDON*. *Steph.*) Three species.

C. geminatus, *Fab.* Densely covered with fuscous scales; the alternate interstices of the elytra paler; two to four lines; sandy coasts. *Pl. 72, fig. 8.*

SUBDIVISION II. XYLOPHAGI. LATR.

TRIBE I. CYLINDRICI. SHUCK.

Family [94]. HYLESINIDÆ. SHUCK.

Genus [528]. *HYLASTES*. *Erichs.* Nine species?

H. ater, *Fab.* Brownish black, with a few dispersed hairs; antennæ and legs pitchy; two to two and a half lines; stumps of old trees. *Pl. 73, fig. 1.*

Genus [529]. *DENDROCTONUS*. *Erichs.* One species.

D. piniperda, *Lin.* Black and shining; antennæ and tarsi reddish testaceous; two to two and a half lines; old fir trees. *Pl. 73, fig. 2.*

Genus [530]. *HYLESINUS*. *Fab.* Eight species.

H. crenatus, *Fab.* Pitchy black; antennæ and tarsi pitchy red; two to three lines; stumps of old trees. *Pl. 73, fig. 4.*

Genus [531]. *POLYGRAPHUS*. *Erichs.* One species.

P. pubescens, *Fab.* Pitchy brown; the thorax rather darker; antennæ and legs reddish testaceous; about one line; decayed trees. *Pl. 73, fig. 6.*

Genus [532]. *SCOLYTUS*. *Geoffr.* Six species.

S. Destructor, *Oliv.* Black and shining; elytra pitchy red or red; antennæ and legs reddish testaceous; two to three lines; old elms. *Pl.* 73, *fig.* 3.

Family [95]. *TOMICIDÆ*. Shuck.

Genus [533]. *TRYPODENDRON*. *Steph.* (*XYLOTERUS*. *Erichs.*) One species.

T. domesticum, *Lin.* Black; the elytra livid, with the suture and sides rather darker; antennæ and legs fuscous; two lines; decayed trees. *Pl.* 73, *fig.* 5.

Genus [534]. *TOMICUS*. *Latr.* Twelve species.

T. Typographus, *Lin.* Testaceous, subpubescent, sometimes pitchy; three to four lines; decayed firs. *Pl.* 73, *fig.* 7.

Family [96]. *PLATYPODIDÆ*. Shuck.

Genus [535]. *PLATYPUS*. *Herbst.* Two species?

P. cylindrus, *Herbst.* Pitchy black or pitchy red, slightly shining; antennæ and tarsi reddish testaceous; three and a half to four lines; decayed oaks. *Pl.* 73, *fig.* 8.

TRIBE II. *DEPRESSI*. SHUCK.

Family [97]. *CUCUJIDÆ*. *Steph.*

Genus [536]. *CUCUJUS*. *Fab.* Six species.

C. Spartii, *Curt.* Pitchy black; antennæ and legs pitchy red; one and a half line; beneath the bark of broom. *Pl.* 73, *fig.* 9.

Genus [537]. *ŪLEIOTA*. *Latr.* One species.

U. planata, *Lin.* Pitchy black; mouth and legs red; or entirely testaceous; two and a half lines; beneath bark; very rare; ? indigenous. *Pl.* 73, *fig.* 10.

SUBDIVISION III. *LONGICORNES*. LATR.

Family [98]. *PRIONIDÆ*. Leach.

Genus [538]. *PRIONUS*. *Geoffr.* One species.

P. coriarius, *Lin.* Pitchy black; tarsi frequently pitchy red; twelve to sixteen lines; skirts of and open places in woods and on old trees. *Pl.* 74, *fig.* 1.

Genus [539]. *SPONDYLIS*. *Fab.* One species.

S. buprestoides, *Fab.* Black or pitchy; about nine lines; Windsor Forest; very rare; ? indigenous. *Pl.* 74, *fig.* 2.

Family [99]. CERAMBYCIDÆ. Kirby.

Genus [540]. *NECYDALIS*. *Lin.* Two species.

N. minor, *Lin.* Pitchy; thorax darker; elytra with an oblique pale line upon the disk; three to five lines; Umbelliferæ, near woods. *Pl. 74, fig. 3.*

Genus [541]. *AROMIA*. *Serville.* One species.

A. Moschata, *Lin.* Blue, green or coppery, shining; antennæ bluish or greenish; ten to seventeen lines; willows, in marshy places. *Pl. 74, fig. 4.*

Genus [542]. *CERAMBYX*. *Lin.* One species.

C. Cerdo, *Fab.* Black or pitchy, especially towards the apex of the elytra; twelve to sixteen lines; willows, marshy places. *Pl. 78, fig. 1.*

Genus [543]. *HYLOTROPES*. *Serville.* One species.

H. Bajulus, *Lin.* Pitchy; the thorax densely clothed with pale grey down, with two denuded spots on the disk; the elytra, with the base and a transverse band about the middle, also covered with pale pubescence; six to twelve lines; old timber and outhouses. *Pl. 75, fig. 1.*

Genus [544]. *CALLIDIUM*. *Fab.* Five species.

C. violaceum, *Lin.* Purplish blue or violet; sometimes greenish; four to nine lines; old fir timber, posts and rails. *Pl. 75, fig. 2.*

Genus [545]. *ASEMUM*. *Esch.* One species.

A. striatum, *Lin.* Pitchy black; thorax slightly pubescent; seven to nine lines; old trees; Scotland. *Pl. 75, fig. 3.*

Genus [546]. *GRACILIA*. *Serville.* One species.

G. minuta, *Fab.* Reddish brown; thorax redder; antennæ and legs fuscous; two and a half to three lines; old dead elm enclosures. *Pl. 75, fig. 4.*

Genus [547]. *CLYTUS*. *Fab.* Four species.

C. Arietis, *Lin.* Deep black; the thorax in front and behind, scutellum, an abbreviated transverse mark at the shoulder, an oblique diverging transverse line in the centre, another directly transverse at two-thirds their length, the apex of the elytra, and the pygidium, all bright brimstone yellow; antennæ at the base and the legs reddish testaceous; six to eight lines; palings and Umbelliferæ; common. *Pl. 75, fig. 6.*

Genus [548]. *OBRIMUM*. *Megerle.* One species.

O. Cantharinum, *Lin.* Bright chesnut yellow, shining; antennæ and legs pitchy; four to five lines; old timber. *Pl. 75, fig. 5.*

Family [100]. LAMIIDÆ. Shuck.

Genus [549]. *ASTYNOMUS*. *Dej.* (*ACANTHOCINUS*.) One species. N.B. In the female the antennæ are not much longer than the body.

A. *Ædilis*, *Lin.* Ashy brown, with a grey down; thorax with four tubercles covered with yellowish pubescence; elytra with two waved brownish bands; eight to ten lines; timber; rare. *Pl.* 76, *fig.* 2.

Genus [550]. *AGAPANTHIA*. *Serville.* One species.

A. *Cardui*, *Fab.* Black, densely covered with yellowish or pale ashy pubescence; thorax with three more thickly clothed lines; antennæ with the basal joint and apex of the others black; five to eight lines; thistles, in fens. *Pl.* 76, *fig.* 4.

Genus [551]. *APHELOCNEMIA*. *Steph.* (*MESOSA*. *Megerle.*) One species.

A. *nubila*, *Oliv.* Black, tessellated and variegated with reddish brown and ashy; elytra with a waved pale mottled band bordered with black; antennæ and tibiæ ringed with white; six to eight lines; decaying oak branches. *Pl.* 76, *fig.* 3.

Genus [552]. *SAPERDA*. *Fab.* Eight species.

S. *carcharias*, *Lin.* Black, densely clothed with ashy or yellowish pubescence, and sprinkled with denuded punctures; the apex of the joints of the antennæ black; ten to fourteen lines; poplars; Cambridgeshire. *Pl.* 77, *fig.* 1.

Genus [553]. *POGONOCERUS*. *Megerle.* Three species.

P. *pilosus*, *Fab.* Reddish brown; the base of the elytra with a broad cream-coloured band, beyond which, near the suture, there are three black tufts; antennæ and tibiæ ringed with white; three to four lines; hedges by beating. *Pl.* 77, *fig.* 2.

Genus [554]. *LEIOPUS*. *Serville.* One species.

L. *nebulosus*, *Lin.* Brown, mottled with ashy pubescence; elytra with a basal and medial dark waved band; three to four and a half lines; dead branches of oak. *Pl.* 77, *fig.* 3.

Genus [555]. *TETROPS*. *Kirby.* One species.

T. *præusta*, *Lin.* Black, pubescent; with the elytra, except their apex, the anterior legs entirely, and the tibiæ of the remainder, testaceous; two to three lines; hawthorn hedges; common. *Pl.* 76, *fig.* 1.

Genus [556]. *MONOCHAMUS*. *Megerle.* Two species.

M. *Sutor*, *Lin.* Black, with scattered ashy pubescent

spots; scutellum white, with a central denuded line; eleven to thirteen lines; ash trees and willows. *Pl.* 77, *fig.* 4.

Genus [557]. *LAMIA*. *Fab.* One species.

L. textor, *Lin.* Black, mottled with a few scattered pale pubescent spots; seven to fourteen lines; decaying willows. *Pl.* 78, *fig.* 2.

Family [101]. *LEPTURIDÆ*. *Leach.*

Genus [558]. *RHAGIUM*. *Fab.* Three species.

R. Inquisitor, *Lin.* Black, mottled with yellowish hair; the elytra with two testaceous irregular transverse bands, with a black smooth lateral spot between them; seven to eleven lines; old wood, ash trees. *Pl.* 78, *fig.* 3.

Genus [559]. *TOXOTUS*. *Megerle.* One species.

T. meridianus, *Lin.* Either testaceous, with the head, thorax, knees and tarsi black; or entirely black; or black, with the legs reddish testaceous, except the knees; six to fourteen lines; common on ash trees. *Pl.* 78, *fig.* 4.

Genus [560]. *PACHYTA*. *Megerle.* Three species.

P. octomaculata, *Fab.* Black; the elytra livid, with eight black spots, two placed laterally, one apical, and one on the disk near the scutellum; four to six lines; Umbelliferæ in woods. *Pl.* 79, *fig.* 4.

Genus [561]. *GRAMMOPTERA*. *Serville.* Five species.

G. præusta, *Fab.* Black, clothed with close decumbent golden down, excepting the head and the apex of the elytra; the base of the antennæ and the legs testaceous; four to five lines; Umbelliferæ in the New Forest. *Pl.* 79, *fig.* 3.

Genus [562]. *LEPTURA*. *Lin.* Ten species.

L. quadrifasciata, *Lin.* Deep black; the elytra with four transverse interrupted waved testaceous bands; the apical joints of the antennæ sometimes red; seven to ten lines; flowers, in woods. *Pl.* 79, *fig.* 2.

Genus [563]. *STRANGALIA*. *Serville.* Two species.

S. elongata, *De Geer.* Black; the elytra testaceous, with an angulated transverse band near the base, frequently variously interrupted, another broader one towards the apex, with a large lateral spot between these and the extreme apex of the elytra also black; the four anterior legs testaceous, their tarsi black; the posterior pair either entirely black, or the base of their tibiæ only testaceous; five to eight lines; common on flowers, in woods. *Pl.* 79, *fig.* 1.

SUBDIVISION IV. EUPODA. LATR.

Family [102]. CRIOCERIDÆ. Leach.

Genus [564]. DONACIA. *Fab.* Twenty-one species.

D. Menyanthidis, *Fab.* Brassy green; antennæ and legs reddish testaceous; about six lines; aquatic plants. *Pl.* 80, *fig.* 1.

Genus [565]. MACROPLĒA. *Hoffmsg.* One species.

M. Zosteræ, *Fab.* Livid, with the base of the antennæ, two spots on the thorax, and some narrow longitudinal striæ on the elytra, black; about three lines; on *Zostera marina*, near Hull, &c. *Pl.* 80, *fig.* 2.

Genus [566]. CRIOCERIS. *Geoffr.* Seven species.

C. merdigera, *Lin.* Black, with the thorax and elytra reddish testaceous; about four lines; on the white lily. *Pl.* 80, *fig.* 3.

Genus [567]. ZEUGOPHORA. *Kungi.* Two species.

Z. subspinosa, *Fab.* Reddish testaceous; elytra blue-black; about two lines; common on the aspen. *Pl.* 80, *fig.* 4.

Genus [568]. ORSODACNA. *Latr.* Three species?

O. nigriceps, *Latr.* Variable in colour, but usually testaceous, with a spot upon the thorax, and a narrow line at the suture, black; or entirely black; about three lines; herbage, in damp woods. *Pl.* 80, *fig.* 5.

Genus [569]. PSAMMÆCHUS. *Bond.* One species.

P. bipunctatus, *Fab.* Testaceous, with the head, apical joints of the antennæ, and two spots on the disk of the elytra, beyond the middle, black; one and a half line; herbage, in marshy places. *Pl.* 80, *fig.* 6.

SUBDIVISION V. CYCLICA. LATR.

TRIBE I. CASSIDARIÆ. LATR.

Family [103]. HISPIDÆ. Kirby.

Genus [570]. HISPA. *Lin.* One species.

H. atra, *Lin.* Entirely of an opaque black; about one line; on nettles; very rare; ? indigenous. *Pl.* 84, *fig.* 5.

Family [104]. CASSIDIDÆ. Leach.

Genus [571]. CASSIDA. *Lin.* Eighteen species.

C. equestris, *Fab.* Pale green, with the margins of the elytra sometimes discoloured; antennæ and legs testa-

ceous; the apex of the latter obscure; about four lines; common on the burdock. *Pl.* 84, *fig.* 6.

TRIBE II. GALERUCARIÆ. SHUCK.

Family [105]. GALERUCIDÆ. Steph.

Genus [572]. AUCHENIA. *Marsh.* One species.

A. quadrimaculata, *Lin.* Reddish testaceous, with the head and four spots on the elytra, two basal and two apical, black; apex of antennæ obscure; about four lines; marshy meadows. *Pl.* 81, *fig.* 1.

Genus [573]. ADIMONIA. *Schr.* Two species.

A. Halensis, *Lin.* Testaceous, with the antennæ, legs and two spots on the thorax obscure; the crown of the head and the elytra of a bright green; three to four lines; hedges; not uncommon. *Pl.* 81, *fig.* 2.

Genus [574]. GALERUCA. *Geoffr.* Eleven species.

G. Tanaceti, *Lin.* Entirely black, slightly shining; five to six lines; meadows and on plants. *Pl.* 81, *fig.* 3.

Genus [575]. LUPERUS. *Geoffr.* Two species.

L. flavipes, *Lin.* Bright shining black and smooth; thorax, legs and base of antennæ yellow; about two lines; in hazel hedges; common. *Pl.* 81, *fig.* 5.

Genus [576]. CALOMICRUS. *Dillwyn.* One species.

C. circumfusus, *Marsh.* Bright shining black; base of antennæ, thorax in front and the elytra externally pale testaceous; about one and a half line; plants and herbage, and birchwood; common. *Pl.* 81, *fig.* 4.

Family [106]. HALTICIDÆ. Kirby.

Genus [577]. HALTICA. *Illig.* Forty-three species?

H. Nemorum, *Lin.* Shining black, with a broad pale livid streak down the elytra; base of antennæ, tibiæ and tarsi testaceous; about a line; on culinary plants; common. *Pl.* 82, *fig.* 1.

Genus [578]. THYAMIS. *Steph.* Thirty-eight species?

T. femoralis, *Marsh.* Testaceous, with the head, apex of the antennæ, suture of the elytra, and the posterior legs, black; about one and a half line; hedges, by sweeping. *Pl.* 82, *fig.* 2.

Genus [579]. MANTURA. *Steph.* Six species.

M. semiatenea, *Fab.* Greenish black, with the base of the antennæ, anterior legs, and posterior tibiæ and tarsi, and the external portion of the elytra, reddish testaceous; about one and a half line; hedges. *Pl.* 82, *fig.* 3.

- Genus [580] *MACROCHEMA*. *Megerle*. Seventeen species?
M. Hyoscyami, *Lin.* Bluish black; base of antennæ, four anterior legs, and the posterior tibiæ and tarsi reddish testaceous; one and a half line; plants and herbage. *Pl.* 82, *fig.* 4.
- Genus [581]. *CARDIAPUS*. *Curt.* One species.
C. Matthewsii, *Curt.* Greenish black; base of the antennæ, and the tibiæ and tarsi testaceous; about one line; herbage; not common. *Pl.* 82, *fig.* 6.
- Genus [582]. *DIBOLIA*. *Latr.* Two species.
D. Cynoglossi, *Ent. Hefl.* Brassy green; base of antennæ, four anterior legs, posterior tibiæ and tarsi reddish testaceous; one and a half line; on the hound's tongue, in wastes. *Pl.* 82, *fig.* 5.
- Genus [583]. *CHÆTOCNEMA*. *Steph.* Six species.
C. concinna, *Marsh.* Brassy green; base of the antennæ, the tibiæ and tarsi red; about one line. *Pl.* 83, *fig.* 1.
- Genus [584]. *SPHÆRODERMA*. *Steph.* Five species.
S. testaceum, *Fab.* Entirely of a reddish testaceous; one and a half line; on thistles; common. *Pl.* 82, *fig.* 2.
- Genus [585]. *MNIOPHILA*. *Steph.* One species.
M. Muscorum, *Müller.* Brassy black; antennæ and legs testaceous; half line; in moss; not common. *Pl.* 81, *fig.* 6.

TRIBE III. CHRYSOMELINÆ. *LATR.*

Family [107]. CHRYSOMELIDÆ. *Leach.*

- Genus [586]. *TIMARCHA*. *Megerle*. Two species.
T. lævigata, *Lin.* Entirely of a bright blue black; seven to nine lines; common amongst rank herbage and on heaths. *Pl.* 83, *fig.* 6.
- Genus [587]. *MELASOMA*. *Dillwyn.* Four species.
M. Populi, *Lin.* Brassy green, with the elytra reddish testaceous; five to six lines; on sapling poplars in woods. *Pl.* 84, *fig.* 1.
- Genus [588]. *CHRYSOMELA*. *Lin.* Twenty-six species?
C. fulgida, *Lin.* Bright golden green, with occasionally a couple of coppery red streaks; four to five lines; marshy places. *Pl.* 83, *fig.* 5.
- Genus [589]. *PHÆDON*. *Megerle*. Twelve species?
P. fastuosum, *Lin.* Bright coppery green, with alternate bright blue stripes; about three lines; hedges and dry ditches. *Pl.* 83, *fig.* 3.

Genus [590]. *PRASOCURIS*. *Latr.* (*HELODES*. *Steph.*) Two species.

P. Beccabungæ, *Payk.* Greenish or bluish; antennæ and legs black; about two lines; weeds, in marshy places. *Pl.* 83, *fig.* 4.

Family [108]. *CRYPTOCEPHALIDÆ*. Kirby.

Genus [591]. *CLYTHRA*. *Laichartg.* Four species.

C. quadripunctata, *Lin.* Black; elytra bright testaceous, with four black spots, two basal and two medial; about five lines; heaths and woods; common. *Pl.* 84, *fig.* 2.

Genus [592]. *CRYPTOCEPHALUS*. *Geoffr.* Twenty-two species.

C. Coryli, *Fab.* Black, with the base of the antennæ and elytra deep chesnut red in the male, or thorax and elytra deep chesnut red in the female; three to four lines; on the hazel; not common. *Pl.* 84, *fig.* 3.

Genus [593]. *EUMOLPUS*. *Fab.* Three species.

E. Dillwynii, *Steph.* Coppery red, shining; elytra with two bronzy medial depressions; tip of antennæ and tarsi fuscous; two and a quarter lines; South Wales; very rare. *Pl.* 84, *fig.* 4.

TRIBE IV. *CLAVIPALPI*. *LATR.*

Family [109]. *TRITOMIDÆ*. Shuck.

Genus [594]. *PHALACRUS*. *Payk.* Twenty-four species?

P. coruscus, *Payk.* Entirely bright shining black; about one line; on flowers, in meadows; common. *Pl.* 85, *fig.* 1.

Genus [595]. *ALEXIA*. *Steph.* Three species.

P. pilifera, *Müll.* Reddish testaceous, densely covered with long erect pile; about half a line; beneath bark; New Forest. *Pl.* 85, *fig.* 2.

Genus [596]. *TRITOMA*. *Fab.* One species.

T. bipustulatum, *Fab.* Black and shining; elytra with a large red spot at the shoulders; base of the antennæ and the tarsi also red; about two lines; beneath bark and in fungi. *Pl.* 85, *fig.* 3.

Genus [597]. *TRIPLAX*. *Payk.* Five species?

T. russica, *Lin.* Bright chesnut red; elytra shining black; about three lines; common in fungi. *Pl.* 85, *fig.* 4.

SECTION IV. TRIMERA. LATREILLE.

TRIBE I. FUNGICOLA. LATR.

Family [110]. ENDOMYCHIDÆ. Leach.

Genus [598]. *ENDOMYCHUS*. *Payk.* One species.

E. coccineus, *Lin.* Bright vermilion red; head, antennæ, a central spot on the thorax, two large discoidal spots on the elytra placed longitudinally, and the legs black; about two and a half lines; fungi; local. *Pl.* 85, *fig.* 5.

Genus [599]. *LYCOPERDINA*. *Latr.* One species.

L. Bovistæ, *Payk.* Black or pitchy; antennæ and legs pitchy red; about two lines; in the puff-ball; common. *Pl.* 85, *fig.* 6.

TRIBE II. APHIDAPHAGI. LATR.

Family [111]. COCCINELLIDÆ. Leach.

Genus [600]. *CHILOCORUS*. *Leach.* Four species.

C. quadriverrucatus, *Fab.* Black; each elytron with two obscure red spots, the first humeral and kidney-shaped, the second just beyond the middle and near the suture, irregular; about two lines; on trees; common. *Pl.* 86, *fig.* 1.

Genus [601]. *COCCINELLA*. *Lin.* Thirty species?

C. ocellata, *Lin.* Black; the thorax with two large lateral and two central marginal white spots; the elytra reddish yellow, and each with seven black spots surrounded with white, placed two, three and two; tarsi fuscous; four to five lines; fir plantations; not uncommon. *Pl.* 85, *fig.* 2.

Genus [602]. *SPHÆROSOMA*. *Kirby.* One species.

S. Quercus, *Leach.* Pitchy black; antennæ and legs testaceous; about half a line; on oaks; not common. *Pl.* 86, *fig.* 3.

Genus [603]. *SCYMNUS*. *Herbst.* Fifteen species.

S. bipustulatus, *Thunb.* Black; each elytron with a large lateral testaceous red spot; antennæ and legs testaceous; one and a quarter line; on plants and flowers. *Pl.* 86, *fig.* 4.

Genus [604]. *RHYZOBIVS*. *Steph.* One species.

R. Litura, *Fab.* Reddish testaceous; the elytra with a curved interrupted marking, placed just beyond the middle; about a line; grass, by sweeping. *Pl.* 85, *fig.* 5.

Genus [605]. *CACICULA*. *Megerle.* Two species.

C. pectoralis, *Fab.* Shining testaceous red; about one line; grass, by sweeping; common. *Pl.* 86, *fig.* 6.

SUPPLEMENT

Of Genera either taken alive, (having been introduced from abroad,) or reputed to have been taken alive in England, but of which there is no well authenticated proof of their being indigenous.

1. *OXYSTOMUS*, *Dej.*; *anglicanus*, *Steph.* Deep black; antennæ and palpi pitchy; tarsi reddish; five and a half lines; found at Peckham. *Supp. Pl. 1, fig. 1.*
2. *DISTOMUS*, *Leach.*; *fulvipes*, *Latr.* Pitchy black; thorax reddish, as are also the antennæ and legs; five lines; said to occur in Devonshire. *Supp. Pl. 1, fig. 2.*
3. *ALPÆUS castaneus*, *Bonelli.* Pitchy; antennæ and legs red; four and a half lines; said to occur in Devonshire. *Supp. Pl. 1, fig. 3.*
4. *PROCRUSTES*, *Bonelli*; *coriaceus*, *Lin.* Entirely deep black; eighteen lines; said to occur near Portsmouth. *Supp. Pl. 1, fig. 4.*
5. *SOGINES*, *Leach*; *punctulatus*, *Illig.* Entirely opaque black; six lines; said to occur in Devonshire. *Supp. Pl. 2, fig. 1.*
6. *COPHOSUS*, *Dej.*; *elongatus*, *Sam.* Shining black; tarsi reddish; seven and a half lines; said to occur in Devonshire. *Supp. Pl. 2, fig. 2.*
7. *CHEPORUS*, *Latr.*; *metallicus*, *Fab.* Of a brilliant brass or coppery colour; antennæ and legs pitchy black; six lines; said to have been found in Cambridgeshire and Kent. *Supp. Pl. 2, fig. 3.*
8. *MASTIGUS palpalis*, *Latr.* Opaque black; antennæ and legs pitchy; about two lines. *Supp. Pl. 2, fig. 4.*
9. *TRIBOLIUM castaneum*, *Macleay.* Entirely of an opaque reddish chesnut; one line and three-quarters; boxes of Chinese insects. *Supp. Pl. 2, fig. 5.*
10. *ORYCTES*, *Illig.*; *nasicornis*, *Lin.* Bright chesnut brown;

- head and thorax slightly darker; sixteen lines; said to have been found at Chelsea. *Supp. Pl. 4, fig. 1.*
11. *DYNASTES, Macleay*; *inermis, Martin*, ? *Juvenus, Fab.* Pitchy black; antennæ and legs pitchy red; six and a half lines; said to have been found amongst the rejectamenta of a flood. *Supp. Pl. 4, fig. 2.*
 12. *VALGUS, Scriba*; *hemipterus, Lin.* Pitchy black, mottled with ashy white scales; the pygidium white, with two denuded transverse spots; four and a half lines; said to have occurred in the vicinity of London. *Supp. Pl. 4, fig. 3.*
 13. *CHRYSOBOTHRIS, Esch.*; *chrysostigma, Lin.* Bronzy or coppery; the thorax coppery red; the elytra with two golden depressions on the disk; antennæ and legs coppery; six lines; said to have been taken at large. *Supp. Pl. 3, fig. 1.*
 14. *LAMPRA, Megerle*; *rutilans, Fab.* Brilliant golden green; the sides of the thorax and elytra of a rich golden red; six lines; said to have been found in timber in Derbyshire and Kent. *Supp. Pl. 3, fig. 2.*
 15. *DICERCA, Esch.*; *ænea, Lin.* Entirely of a reddish bronzy tint; nine lines; said to have been found in Devonshire. *Supp. Pl. 3, fig. 3.*
 16. *ANCYLOCHEIRA, Esch.*; *octoguttata, Lin.* Deep dark blue, with the sides of the thorax and each elytron with five yellow spots, one humeral and four placed longitudinally; five and a half lines; said to have been found at large. Two others of this genus have also been introduced. *Supp. Pl. 3, fig. 4.*
 17. *MELANOPHILA, Esch.*; *tarda, Fab.* Entirely of a bright shining blue; four and a half lines; said to have been found near Windsor. *Supp. Pl. 3, fig. 5.*
 18. *PROSIMA, Serville*; *novem-maculata, Lin.* Blue black, shining, and having nine yellow spots, one at the vertex, two transversely on the thorax, and three on each elytron; five lines; once taken in abundance at Coker-mouth, in Cumberland, by Dr. Leach; doubtlessly imported in timber. *Supp. Pl. 3, fig. 6.*
 19. *DRÆSTERIUS, Esch.*; *bimaculatus, Fab.* Black; the elytra obscurely reddish, their apex for about one-third their length black, enclosing two pale spots and a widely interrupted narrow black band, about the middle; three and a half lines; said to have been found in Devonshire. *Supp. Pl. 5, fig. 1.*

20. *ENICOPUS*, *Steph.*; *ater*, *Fab.* Entirely of a deep black, slightly shining and densely pubescent; three lines and three-quarters; said to have been found in Devonshire. *Supp. Pl. 5, fig. 2.*
21. *RHYZOPERTHA*, *Steph.*; *Pusilla*, *Fab.* Deep chesnut brown; antennæ reddish testaceous; one and a half line; found occasionally in foreign roots and seeds. *Supp. Pl. 5, fig. 3.*
22. *RHIPIDIUS*, *Thunb.*; *anceps*, *Steph.* (? *SYMBIUS* *Blattarum*, *Sunderv.*) Pitchy black; elytra brown; legs fuscous; knees and antennæ dirty testaceous; two lines; found by Mr. Stephens amongst paper from Portsmouth. It is very probably *Symbius*, and, if so, parasitical upon the cockroach; and, like the *Evania appendigaster*, is occasionally found on board ships. *Supp. Pl. 5, fig. 4.*
23. *PHLÆOBIUS*, *Schön.*; *griseus*, *Fab.* Brown black, tessellated with a reddish ashy grey; two and a half lines; it has occurred in several counties, but being a native of New Holland has evidently been imported. *Supp. Pl. 6, fig. 1.*
24. *CARYOBORUS*, *Schön.*; *cruciger*, *Steph.* Grey black, with an ashy white cross upon the base of the elytra; the thorax and remainder of elytra mottled; anterior legs pale testaceous; and base of posterior thighs white; two and a half lines; found in West India seeds. *Supp. Pl. 6, fig. 2.*
25. *RHYTIRHINUS*, *Schön.*; *porcatus*, *Marsh.* Black, clothed with brown scales; thorax and tibiæ paler; two and a half lines; found on an exotic flower in a garden at Hammersmith, doubtlessly imported from the Cape. *Supp. Pl. 6, fig. 3.*
26. *HYPOTHENEMUS eruditus*, *Westw.* Pitchy; the thorax, antennæ and elytra reddish; about one-third of a line; found in abundance in the cover of an old book. *Supp. Pl. 6, fig. 4.*
27. *PURPURICENUS*, *Ziegler*; *Koehler*, *Lin.* Deep opaque black; elytra of a bright red, with a diamond shaped spot in their centre; fifteen to seventeen lines; said to have occurred near London. *Supp. Pl. 7, fig. 1.*
28. *EBURIA*, *Serville*; *quadrimaculata*, *Fab.* Testaceous, thorax with two black tubercles; elytra with four ivory coloured geminated spots, one at the base, and the second about the middle; eleven lines; found in Essex; doubtlessly imported. *Supp. Pl. 7, fig. 2.*

29. *ELAPHIDION*, *Serville*; *spinicorne*, *Fab.* Reddish testaceous, densely covered with short ashy pubescence, with mottled denuded spots; antennæ and legs very slightly clothed; ten lines; found at Bermondsey amongst timber. *Supp. Pl. 7, fig. 3.*
 30. *TETRAOPES*, *Dalman*; *tornator*, *Fab.* Pale reddish testaceous; thorax with four black spots; the elytra with a small black spot at the shoulder, and another on the disk beyond the middle, and an ashy irregular macula at the middle, and another larger at the apex; antennæ fuscous; legs black; six lines; found amongst timber, but a native of North America. *Supp. Pl. 8, fig. 1.*
 31. *CYLINDERA*, *Newm.*; *luteus*, *Marsh.* (*CURTOMERUS*, *Steph.*) Entirely testaceous; in the female (*C. pallida*, *Newm.*) the antennæ are shorter and not fringed, and the thighs are less robust; four to five lines; found amongst timber, but imported. *Supp. Pl. 8, fig. 2.*
 32. *PENICHRUA*, *Steph.*; *fasciata*, *Wilkin.* Entirely dirty testaceous; elytra with an indistinct band across the middle; seven to nine lines; once found in abundance at Norwich, but evidently imported. *Supp. Pl. 8, fig. 3.*
 33. *ARHOPALUS*, *Serville*; *fulminans*, *Fab.* Black, with an ashy pubescence; the thorax with three denuded spots; the elytra with several irregular angulated bands; about six lines; taken at Kensington, but doubtlessly imported from North America. *Supp. Pl. 8, fig. 4.*
-

INDEX.

	Page.	Pl.	Fig.		Page.	Pl.	Fig.
Abax	5	5	3	<i>Anisocera</i> —see <i>Anomæocera</i> .			
Abdera ..	52	60	8	<i>Anisodactylus</i>	3	2	7
Abraeus	34	41	8	<i>Anisoplia</i>	37	45	3
Acalles	57	65	8	<i>Anobium</i>	44	53	6
Acanthocinus	66	76	2	<i>Anomala</i>	36	45	2
Achenium	15	18	6	<i>Anomæocera</i>	25	30	2
Acidota	13	15	3	<i>Anommatus</i>	27	33	2
Acilius	12	14	4	<i>Anoplus</i>	58	67	2
Acrodon	5	5	6	<i>Anthaxia</i>	37	46	1
Actephilus	3	3	2	<i>Antherophagus</i>	26	31	1
Adelosia	5	5	1	<i>Anthicus</i>	47	55	6
Aderus	47	55	4	<i>Anthobium</i>	13	15	6
Adimonia	69	81	2	<i>Anthonomus</i>	59	68	1
Adrastus	38	46	7	<i>Anthrenus</i>	29	35	7
Ædilis	66	76	2	<i>Anthribus</i>	54	62	3
Ægialia	36	44	1	<i>Apate</i>	44	53	4
Æpæus	6	7	3	<i>Aphanisticus</i>	38	46	3
Agabus	11	13	5	<i>Aphelocnemis</i>	66	76	3
Agapanthia	66	76	4	<i>Aphodius</i>	35	43	6
Agathidium	22	27	5	<i>Apion</i>	55	63	7
Agonum	6	6	8	<i>Aplocnemus</i>	42	51	2
Agrilus	38	46	2	<i>Aploderus</i>	14	16	7
Agriotes ..	39	46	8	<i>Aplotarsus</i>	40	48	5
Agrypnus	39	47	7	<i>Apoderus</i>	54	63	1
Aleochara	19	23	4	<i>Arcopagus</i>	21	26	2
Alexia	71	85	2	<i>Argutor</i>	4	4	1
Alophus	62	71	7	<i>Arhopalus, Sup.</i>	76	8	4
Alpæus, <i>Sup.</i>	73	1	3	<i>Aromia</i>	65	74	4
Alphitobius	49	58	1	<i>Asemum</i>	65	75	3
Alphitophagus	50	58	7	<i>Aspidiphorus</i>	29	35	6
Amalus	59	67	7	<i>Astenus</i>	15	18	1
Amara	5	5	4	<i>Astilbus</i>	21	25	2
Amphibolus	32	38	5	<i>Astrapæus</i>	16	20	2
Anaspis	47	56	2	<i>Astynomus</i>	66	76	2
Anchomenus	6	7	2	<i>Atemeles</i>	19	22	8
Ancylocheira, <i>Sup.</i> ..	74	3	4	<i>Athous</i>	40	48	7
Anisarthritis	26	31	2	<i>Atomaria</i>	26	31	3
<i>Atopa</i> —see <i>Dascillus</i> .				<i>Attagenus</i>	29	35	4

	Page.	Pl.	Fig.		Page.	Pl.	Fig.
Attelabus	55	63	2	Caryoborus, <i>Sup.</i>	75	6	2
Auchenia	69	81	1	Cassida	68	84	6
Autalia	21	25	4	Cateretes	25	30	3
				Catops	23	28	3
Badister	7	8	6	Celia	5	5	5
Bagoiis	58	66	5	Centroglossa	19	22	4
Balaninus	59	67	8	Cerambyx	65	78	1
<i>Baris</i> —see <i>Baridius</i> .				Cercyon	33	40	6
Baridius	57	66	4	Cerylon	27	32	8
Barynotus	62	71	5	Cetonia	37	45	7
Batrissus	21	25	8	Ceutorhynchus	57	65	7
Bembidium	9	11	1	Chætarthria	33	40	3
Berosus	32	39	3	Chætocnema	70	83	1
Biphyllus	26	32	4	Cheporus, <i>Sup.</i>	73	2	3
Bisnius	16	19	5	Chilocorus	72	86	1
Bitoma	27	33	7	Chlænus	7	8	3
Blaps	48	57	1	Choleva	23	28	4
Bledius	14	17	4	Choragus	54	62	2
Blemus	6	7	5	Chrysobothris, <i>Sup.</i> ..	74	3	1
Blethisa	8	10	5	Chrysomela	70	83	5
Bolbocerus	35	43	3	Cicindela	1	1	1
Bolitobius	18	21	8	Cicones	27	33	6
Bolitochara	20	24	3	Cillenum	9	12	2
Bolitophagus	49	58	6	Cionus	56	65	1
Bostrichus	44	53	3	Cis	44	53	2
Bothynoderes	62	72	1	Cistela	51	59	7
Brachinus	2	1	5	Clambus	22	27	4
<i>Brachysomus</i> —see <i>Omius</i> .				Claviger	21	25	5
Brachytarsus	54	62	6	Cleonus	62	72	2
Bradycellus	7	7	6	<i>Cleopus</i> —see <i>Cionus</i> .			
Bradytus	5	5	7	Clerus	43	52	5
Brosus	4	4	4	Clivina	3	2	4
Bruchus	54	62	1	Clypeaster	22	27	3
Bryaxis	21	26	4	Clythra	71	84	2
Byrrhus	30	36	5	Clytus	65	75	6
Bythinus	21	26	3	Cnemidotus	10	12	5
Byturus	27	32	7	Cneorhinus	63	72	8
				Coccinella	72	86	2
Cacicula	72	86	6	Colon	23	28	1
Caelioides	57	66	2	Colydium	28	34	5
Cafius	16	19	4	Colymbetes	11	14	1
Calandra	56	64	2	Conopalpus	51	60	3
Calathus	5	6	2	Conurus	18	21	6
Callicerus	20	23	6	Cophosus, <i>Sup.</i>	73	2	2
Callidium	65	75	2	Copris	35	43	4
Calomicrus	69	81	4	Coprophilus	13	16	3
Calodera	20	24	5	Corticaria	26	31	8
Callistus	7	8	1	<i>Corylophus</i> —see <i>Clypeaster</i> .			
Calosoma	8	10	1	Corynetes	44	52	7
Campta	25	29	7	Coryphium	13	15	2
Campylus	40	48	8	Cossonus	55	63	8
Cantharis	48	56	6	Creophilus	17	21	2
Carabus	8	10	2	Crioceris	68	80	3
Cardiapus	70	82	6	Cryptarcha	24	29	5
Cardiophorus	40	48	4	Crypticus	49	57	6
Carpophilus	25	30	6	Cryptobium	15	18	7
				Cryptocephalus	71	84	3

	Page.	Pl.	Fig.		Page.	Pl.	Fig.
Cryptohypnus	39	47	9	Ellescus	59	68	2
Cryptophagus	26	30	9	Elmis	31	37	4
Cryptorhynchus	57	66	3	Elodes	41	49	3
Ctenicerus	40	48	2	Emus	17	21	1
Cteniopus	51	60	1	Encephalus	19	23	1
<i>Ctenonychus</i> —see <i>Synaptus</i> .				Endomychus	72	85	5
Cucujus	65	73	9	Engis	26	31	4
<i>Curtomerus</i> —see <i>Cylindera</i> .				Enicocerus	31	38	3
Curtonotus	5	5	8	Enicopus, <i>Sup.</i>	75	5	2
Cybister	12	14	5	Epaphius	6	7	4
Cychrus	8	10	3	Ephistemus	30	36	8
Cyclonotum	33	40	4	Epomis	7	8	4
<i>Cylindera, Sup.</i>	76	8	2	Erirehinus	59	68	5
Cymindis	2	1	4	Eryx	50	59	5
Cypha	18	21	5	Evæsthetus	15	18	3
<i>Cyphon</i> —see <i>Elodes</i> .				Eubria	41	49	4
				Euplectus	21	25	6
Dascillus	41	49	1	<i>Euglenes</i> —see <i>Aderus</i> .			
Dabytes	43	51	3	Eumolpus	71	84	4
Deinopsis	19	22	3	Euryporus	17	20	6
Demetrias	2	1	7	Eutheia	22	26	8
Dendroctonus	63	73	2				
Dendrophilus	33	41	3	Falagria	21	25	3
Deporaus	55	63	5				
Dermestes	29	35	2	Gabrius	16	19	3
Diachromus	3	2	8	Galeruca	69	81	3
Dianous	14	17	6	Georyssus	31	37	5
Diaperis	50	59	2	Geotrupes	35	43	1
Dibolia	70	82	5	Gibbium	46	54	8
Dicerca, <i>Sup.</i>	74	3	3	Gnorimus	37	45	6
Diglossa	19	22	6	Goerius	17	20	7
Dinarda	19	22	7	Gracilia	65	75	4
Dinoderus	44	53	5	Grammoptera	67	79	3
Dircæa	52	60	6	Gronops	62	71	8
Distomus, <i>Sup.</i>	73	1	2	Grypidius	59	68	4
Dolichosoma	43	51	4	Gymnætron	56	64	5
Dolopius	39	47	1	Gyrinus	12	13	7
Donacia	68	80	1	Gyrophypnus	16	19	1
Dorcatoma	45	53	8	Gyrophæna	19	23	2
Dorcus	34	42	2				
Dorgtomus	59	68	6	Haliplus	10	12	4
Drasterius, <i>Sup.</i>	74	5	1	Hallomenus	52	61	2
Drilus	41	49	7, 8	Haltica	69	82	1
Dromius	2	1	8	Harpalus	3	3	1
Dryophilus	44	53	7	Hedobia	45	54	5
Dryops	31	37	3	Heliophilus	48	57	3
Drypta	1	1	2	Helobia	8	9	4
Dyctiopterus	42	50	1	<i>Helodes</i> —see <i>Prasocuris</i> .			
Dynastes, <i>Sup.</i>	74	4	2	Helophorus	31	38	1
Dyschirius	3	2	5	Helops	50	59	4
Dytiscus	11	14	2	Hesperophilus	14	17	3
				Heterocerus	30	37	1
Eburia, <i>Sup.</i>	75	7	2	Heterothops	16	19	6
Ectinus	39	47	3	Hispa	68	84	5
Elaphidion, <i>Sup.</i>	76	7	3	Hister	33	41	2
Elaphrus	8	10	4	Holoparamecus	26	32	1
Elater	39	47	5	Homalota	20	23	7

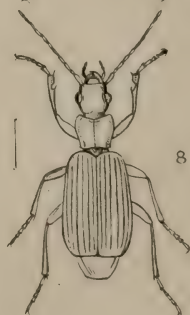
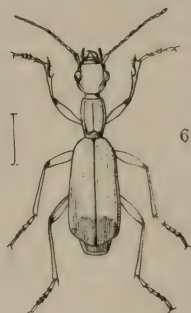
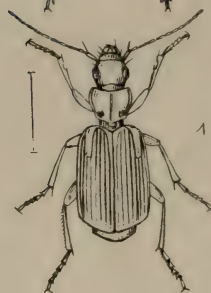
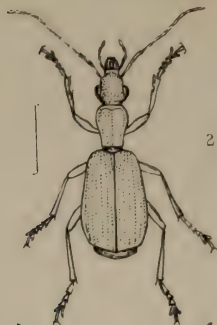
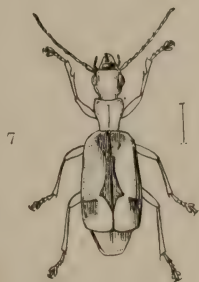
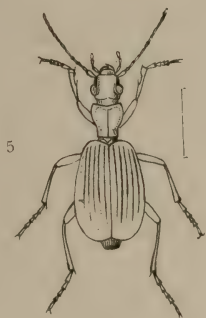
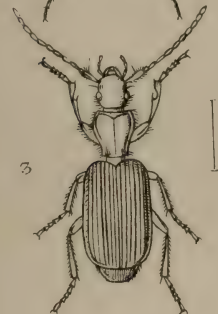
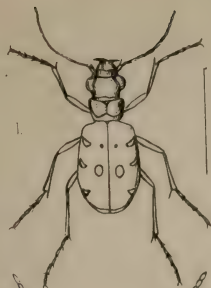
	Page.	Pl.	Fig.		Page.	Pl.	Fig.
<i>Hoplia</i>	37	45	4	<i>Ludius</i>	40	48	1
<i>Hydaticus</i>	12	14	3	<i>Luperus</i>	69	81	5
<i>Hydræna</i>	32	38	6	<i>Lycoperdina</i>	72	85	6
<i>Hydrobius</i>	32	40	1	<i>Lyctus</i>	28	34	8
<i>Hydrochus</i>	31	38	2	<i>Lymexylon</i>	46	51	5
<i>Hydronomus</i>	59	68	3	<i>Lymnæum</i>	9	12	3
<i>Hydrophilus</i>	32	39	5	<i>Lyprus</i>	58	66	6
<i>Hydroporus</i>	11	13	2				
<i>Hydrous</i>	32	39	4	<i>Macrocnema</i>	70	82	4
<i>Hygronoma</i>	20	23	8	<i>Macropleä</i>	68	80	2
<i>Hygrotus</i>	11	13	1	<i>Magdalis</i> —see <i>Thamnophilus</i> .			
<i>Hylastes</i>	63	73	1	<i>Malachius</i>	42	51	1
<i>Hylecætus</i>	46	51	6	<i>Malthinus</i>	42	50	6
<i>Hylesinus</i>	63	73	4	<i>Mantura</i>	69	82	3
<i>Hylobius</i>	61	71	2	<i>Masoreus</i>	3	3	5
<i>Hylotrupes</i>	65	75	1	<i>Mastigus, Sup.</i>	73	2	4
<i>Hypera</i> —see <i>Phytonomus</i> .				<i>Mecinus</i>	56	64	4
<i>Hyphidrus</i>	10	12	7	<i>Medon</i>	15	18	4
<i>Hypocyphthus</i> —see <i>Cypha</i> .				<i>Megacronus</i>	18	22	1
<i>Hypolithus</i>	39	47	8	<i>Megaladerus</i>	22	26	7
<i>Hypophlæus</i>	49	58	5	<i>Megatoma</i>	29	35	5
<i>Hypothenemus, Sup.</i> ..	75	6	4	<i>Megarthus</i>	13	16	1
<i>Hypulus</i>	52	60	7	<i>Melandrya</i>	51	60	4
				<i>Melanophila, Sup.</i> ..	74	3	5
<i>Ilybius</i>	11	13	6	<i>Melanotus</i>	40	47	10
<i>Ips</i>	25	30	7	<i>Melasis</i>	38	46	5
<i>Ischnomera</i>	52	61	4	<i>Melasoma</i>	70	84	1
<i>Ischnopoda</i>	20	25	1	<i>Meligethes</i>	25	29	8
				<i>Meloë</i>	48	56	7
<i>Laccobius</i>	32	39	2	<i>Melolontha</i>	36	44	6
<i>Laccophilus</i>	11	13	4	<i>Merionus</i>	62	71	4
<i>Iagria</i>	46	55	2	<i>Mesosa</i>	66	76	3
<i>Iamia</i>	67	78	2	<i>Mezium</i>	45	54	7
<i>Lampra, Sup.</i>	74	3	2	<i>Miarus</i> —see <i>Gymnætron</i> .			
<i>Lamprias</i>	2	2	2	<i>Miccotrogus</i>	55	67	5
<i>Lampyris</i>	41	49	5, 6	<i>Micralymma</i>	13	15	5
<i>Larinus</i>	60	69	4	<i>Micropeplus</i>	25	30	5
<i>Lasioderma</i>	45	54	1	<i>Microrhagus</i>	38	46	6
<i>Lathrobium</i>	16	18	8	<i>Miscodera</i>	4	4	5
<i>Latridius</i>	28	33	8	<i>Mniophila</i>	70	81	6
<i>Lebia</i>	2	2	1	<i>Molytes</i>	61	71	1
<i>Leiodes</i>	22	27	6	<i>Monochamus</i>	66	77	4
<i>Leiosoma</i>	61	70	8	<i>Mononychus</i>	57	66	1
<i>Leiophlæus</i>	62	71	6	<i>Monotoma</i>	27	33	5
<i>Leiopus</i>	66	77	3	<i>Mordella</i>	47	56	1
<i>Leistus</i>	8	9	3	<i>Mycetæa</i>	26	31	6
<i>Leptura</i>	67	79	2	<i>Mycetocharus</i>	51	59	6
<i>Lesteva</i>	12	15	1	<i>Mycetophagus</i>	26	32	3
<i>Licinus</i>	7	8	5	<i>Mycetoporus</i>	18	22	2
<i>Limnebius</i>	32	39	1	<i>Mycterus</i>	53	61	7
<i>Limnichus</i>	29	36	2	<i>Mytæchus</i> —see <i>Colon</i> .			
<i>Limonius</i>	39	47	4	<i>Myllæna</i>	19		
<i>Lissodema</i>	27	33	4				
<i>Lixus</i>	60	69	5	<i>Nanophyes</i>	56	64	3
<i>Lopha</i>	9	11	4	<i>Nebria</i>	8	9	5
<i>Loricera</i>	8	9	2	<i>Necrobia</i>	44	52	6
<i>Lucanus</i>	34	42	3	<i>Necrodes</i>	24	28	7

	Page.	Pl.	Fig.		Page.	Pl.	Fig.
Necrophorus	24	28	6	Pæderus	15	17	7
Necydalis	65	74	3	Pælobius	10	12	6
Nedys	57	65	6	Panagræus	7	9	1
Nemoicus	61	70	4	Pangus—see Selenophorus.			
Nemosoma	28	34	4	Panus—see Thamnophilus.			
Nitidula	24	29	4	Paramecosoma	26	31	7
Nosodendron	30	36	4	Parnus	30	37	2
Notaphus	9	11	3	Paromalus	34	41	4
Notaris	59	68	7	Patrobus	4	4	7
Noterus	11	13	3	Pediacus	28	34	2
Nothus	51	60	2	Pedius	48	57	2
Notiophilus	8	10	6	Pella	20	24	7
Notoxus	47	55	5	Pelophila	8	9	6
				Penichroa, <i>Sup.</i>	76	8	3
Obrium	65	75	5	Peryphus	9	11	5
Ocalea	20	24	4	Phædon	70	83	3
Ochina	45	54	2	Phalacrus	71	85	1
Ochthebius	32	38	4	Phaleria	50	59	1
Ocypus	17	20	5	Philhydrus	32	40	2
Ocys	9	11	6	Philochthus	9	11	7
Odocantha	2	1	6	Philonthus	16	19	8
Odontonyx—see Olisthopus.				Philopeton—see Cneorhinus.			
Œdemera	52	61	5	Phlæocharis	13	16	5
Oiceoptoma	24	28	8	Phloëobius, <i>Sup.</i>	75	6	1
Oligota	19	23	3	Phlæopara	20	24	1
Olisthopus	6	6	3	Phloïophilus	27	32	6
Omalius	13	15	4	Phloïotrya	51	60	5
Omaloplia	36	44	4	Phosphuga	24	29	2
Omaseus	4	3	8	Phylan	49	57	4
Omiæ	60	70	1	Phyllobius	61	70	3
Omophilus	51	59	8	Phyllopertha	36	45	1
Oncomera	53	61	6	Phytonomus	61	70	5
Onthophagus	35	43	5	Phytosus	14	17	2
Onthophilus	34	41	7	Pissodes	60	69	1
Oödes	7	8	2	Pityophagus	25	30	8
Oomorpus	30	36	6	Platycerus	34	42	1
Opatrum	49	57	5	Platydema	50	59	3
Opilus	43	52	3	Platyderus	4	4	2
Ophonus	3	3	3	Platynus	6	6	7
Orchesia	52	61	3	Platypus	64	73	8
Orchestes	58	67	1	Platyrhinus	54	62	5
Orectocheilus	12	13	8	Platysma	5	5	2
Orobitis	56	65	2	Platysoma	33	41	1
Orsodacna	68	80	5	Platystethus	14	17	1
Orthochætes	58	66	7	Plinthus	61	70	7
Orthoperus	22	27	2	Podabrus	42	50	4
Oryctes, <i>Sup.</i>	73	4	1	Pœcilus	4	3	7
Othius	16	19	2	Pogonocerus	66	77	2
Otiorthynchus	60	69	6	Pogonus	4	3	6
Oxyomus	35			Polistichus	2	1	3
Oxypoda	19	23	5	Polydrosus	62	72	3
Oxyporus	17	20	3	Polygraphus	63	73	6
Oxystoma	55	63	6	Polystoma	20	24	8
Oxystomus, <i>Sup.</i>	73	1	1	Poophagus	57	65	4
Oxytelus	14	16	8	Prasocuris	70	83	4
				Pria	25	30	1
Pachyrhinus	58	67	3	Prionus	64	74	1
Pachyta	67	79	4	Pristonychus	6	6	5

	Page.	Pl.	Fig.		Page.	Pl.	Fig.
Procas	61	70	5	Selenophorus	3	2	6
Procrustes, <i>Sup.</i>	73	1	4	Serica	36	44	3
<i>Proscarabæus</i> —see Meloë.				Sericoderus	22	27	1
Prosternon	39	47	6	Sericosomus	39	47	2
Proteinus	13	15	8	Siagonium	15	18	5
Psammodius	35	43	7	<i>Sibinia</i> —see Sibynes.			
Psammæchus	68	80	6	Sibynes	58	67	4
Pselaphus	22	26	5	Silis	42	50	2
Pseudopsis	13	16	2	Silpha	24	29	1
Pterostichus	4	4	8	Silvanus	28	34	1
Ptilinus	45	54	4	Simplocaria	30	36	7
Ptinus	45	54	6	Sinodendron	34	42	4
Ptomophagus	23	28	2	Sitaris	48	56	4
Ptosima, <i>Sup.</i>	74	3	6	Sitona	63	72	4
Purpuricenus, <i>Sup.</i> . . .	75	7	1	Sogines, <i>Sup.</i>	73	2	1
Pyrochroa	46	55	1	Sphæriestes	53	61	8
				Sphæridium	33	40	5
Quedius	16	20	1	Sphæroderma	70	83	2
				Sphærosoma	72	86	3
Ragonycha	42	50	5	Sphærites	23	28	5
Raphirus	16	19	7	<i>Sphærule</i> —see Nanophyes.			
<i>Remus</i> —see Cafius.				Sphindus	44	53	1
Rhagium	67	78	3	Spercheus	31	37	6
Rhampus	55	63	5	Sphodrus	6	6	6
Rhinobatus	60	69	3	Spondylis	64	74	2
Rhinocyllus	60	69	2	Staphylinus	17	20	8
<i>Rhinodes</i> —see Thamnophilus.				Stene	49	58	4
Rhinomacer	53	62	7	Stenolophus	3	3	4
Rhinonchus	57	65	5	Stenus	14	17	5
<i>Rhinusa</i> —see Gymætron.				Steropus	4	4	3
Rhipidius, <i>Sup.</i>	75	5	4	Stomis	4	4	6
Rhipiphorus	47	56	3	Strangalia	67	79	1
Rhisotrogus	36	44	5	Strongylus	24	29	6
Rhynchites	55	63	4	Strophosomus	63	72	7
Rhyncholus	55	64	1	Sunius	15	18	2
Rhytirhinus, <i>Sup.</i> . . .	75	6	3	Sybaris	48	56	5
Rhyzobius	72	86	5	Synaptus	40	48	6
Rhyzopertha, <i>Sup.</i> . . .	75	5	3	Syncalypta	29	36	3
Rhyzophagus	27	33	3	Synchita	27	33	1
Rhytidosoma	56	65	3	<i>Synuchus</i> —see Taphria.			
Rugilus	15	17	8	Syntomium	13	15	7
Salpingus	53	61	9	Tachinus	18	21	4
Saperda	66	77	1	Tachyerges	58	66	7
Saprinus	34	41	5	Tachyporus	18	21	7
Sarrotrium	50	58	8	Tachypus	9	11	2
Scaphidium	23	27	7	Tachys	9	12	1
Scaphisoma	23	27	8	Tachyusa	20	24	2
Scarites	2	2	3	Tænosoma	13	16	4
Sciaphilus	63	72	6	Tanymecus	63	72	5
Scirtes	41	49	2	Tanysphyrus	62	71	3
Scolytus	64	73	3	Taphria	6	6	4
Scrapta	52	61	1	<i>Tarus</i> —see Cymindis.			
Scydmaenus	22	26	6	Tasgius	17	20	4
Scymnus	72	86	4	Telephorus	42	50	3
Selatosomus	40	48	3	Tenebrio	49	58	3
				Teredus	28	34	6

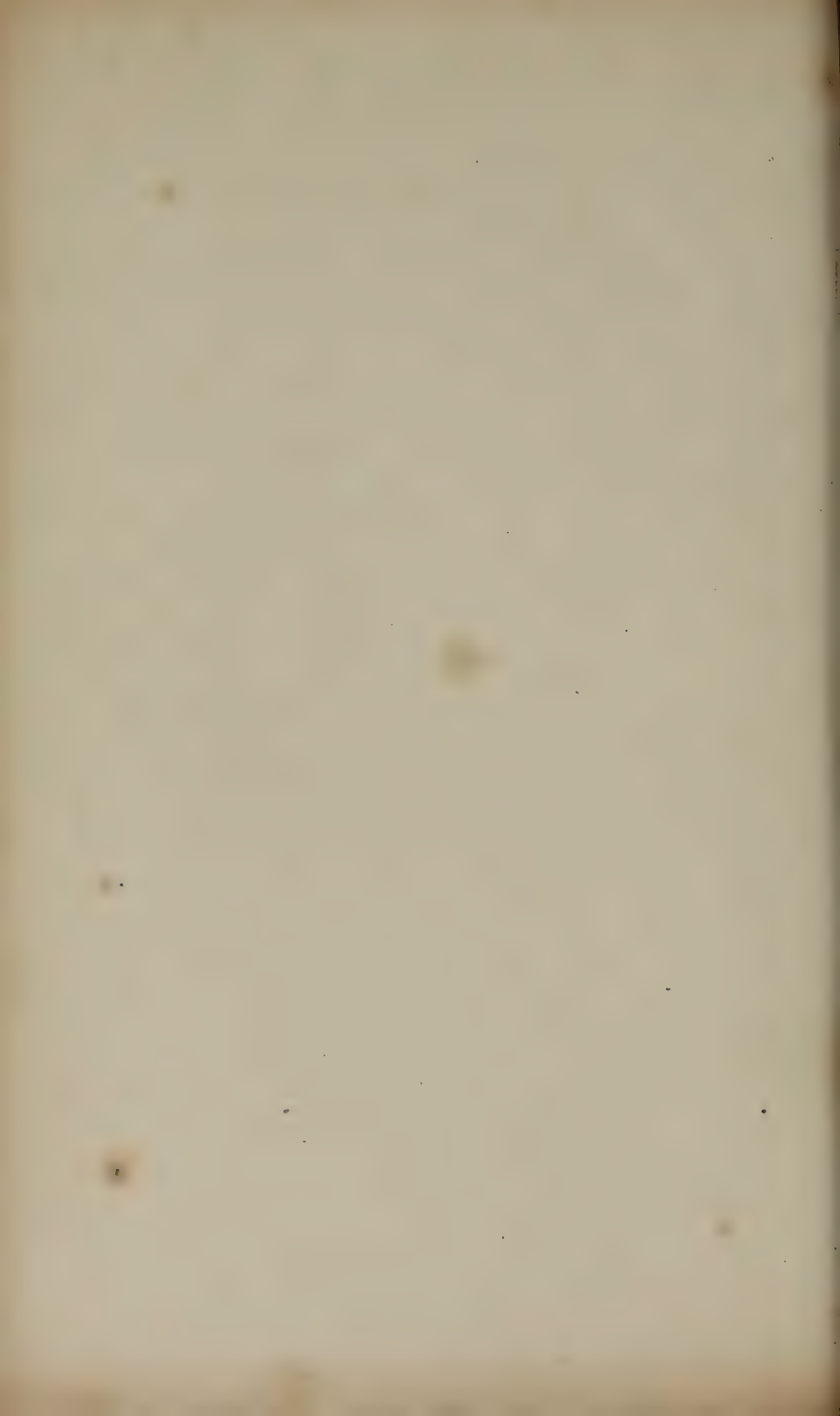
	Page.	Pl.	Fig.		Page.	Pl.	Fig.
Teretrius	34	41	6	Triphyllus	27	32	5
Tetraopes, <i>Sup.</i>	76	8	1	Tritoma	71	85	3
Tetratoma	26	32	2	Trogophlæus	14	16	6
Tetrops	66	76	1	Trogosita	28	34	3
Thamnophilus	60	68	8	Tropideres	54	62	4
Thanasimus	43	52	4	Trox	36	44	2
Throscus	28	35	1	Trypodendron	64	73	5
Thyamus	69	82	2	Tychius	59	67	6
Thymalus	24	29	3	Tychus	21	26	1
Tilloida	43	52	2	Typhæa	26	31	5
Tillus	43	52	1	Typhæus	35	43	2
Timarcha	70	83	6	Uleiota	64	73	10
Tiresias	29	35	3	Uloma	49	58	2
Tomicus	64	73	7	Valgus, <i>Sup.</i>	74	4	3
Toxotus	67	78	4	Velleius	18	21	3
Trachyphlæus	61	70	2	Xiletinus	45	54	3
Trachys	38	46	4	Xylophilus	47	55	3
Trechus	7	7	7	Xylotrogus	28	34	7
Tribolium, <i>Sup.</i>	73	2	5	Zabrus	5	6	1
Trichius	37	45	5	Zeugophora	68	80	4
Trichopteryx	25	30	4	Zyras	20	24	6
Trimium	21	25	7				
Trimorphus	7	8	7				
Trinodes	29	36	1				
Triplax	71	85	4				

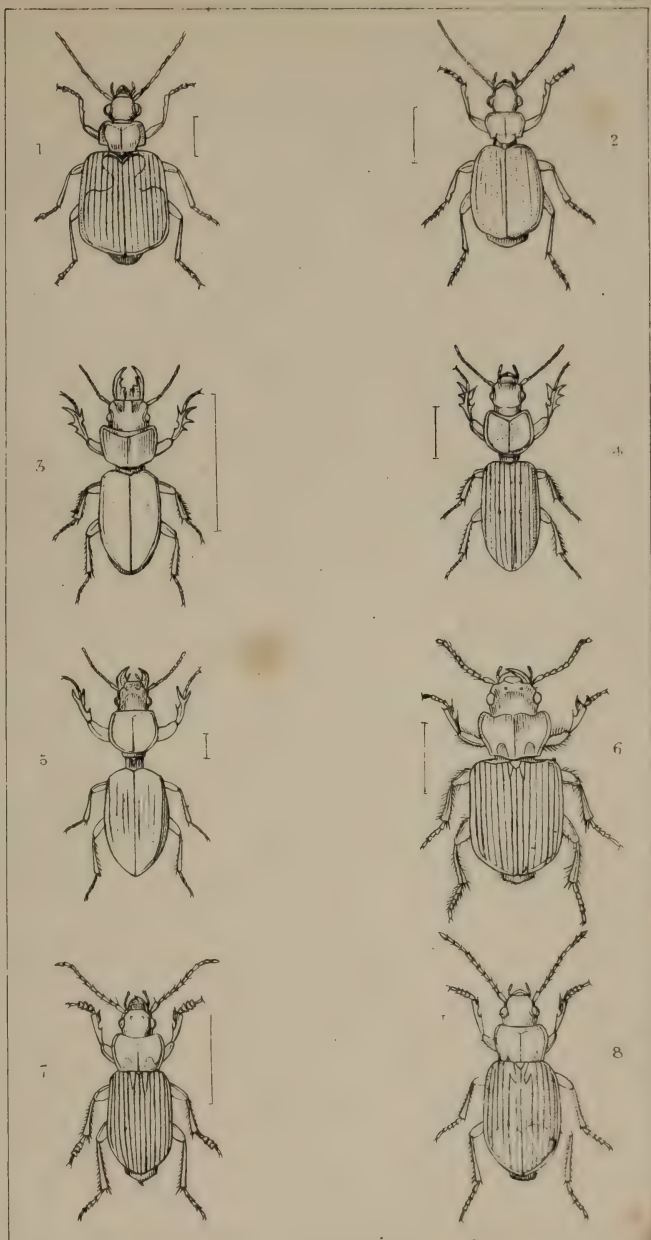
L O N D O N :
C. ROWORTH AND SONS, BELL YARD,
TEMPLE BAR.



1. CICINDELA.
2. DRYPTA.
3. POLISTICHUS
4. CYMINIDUS.

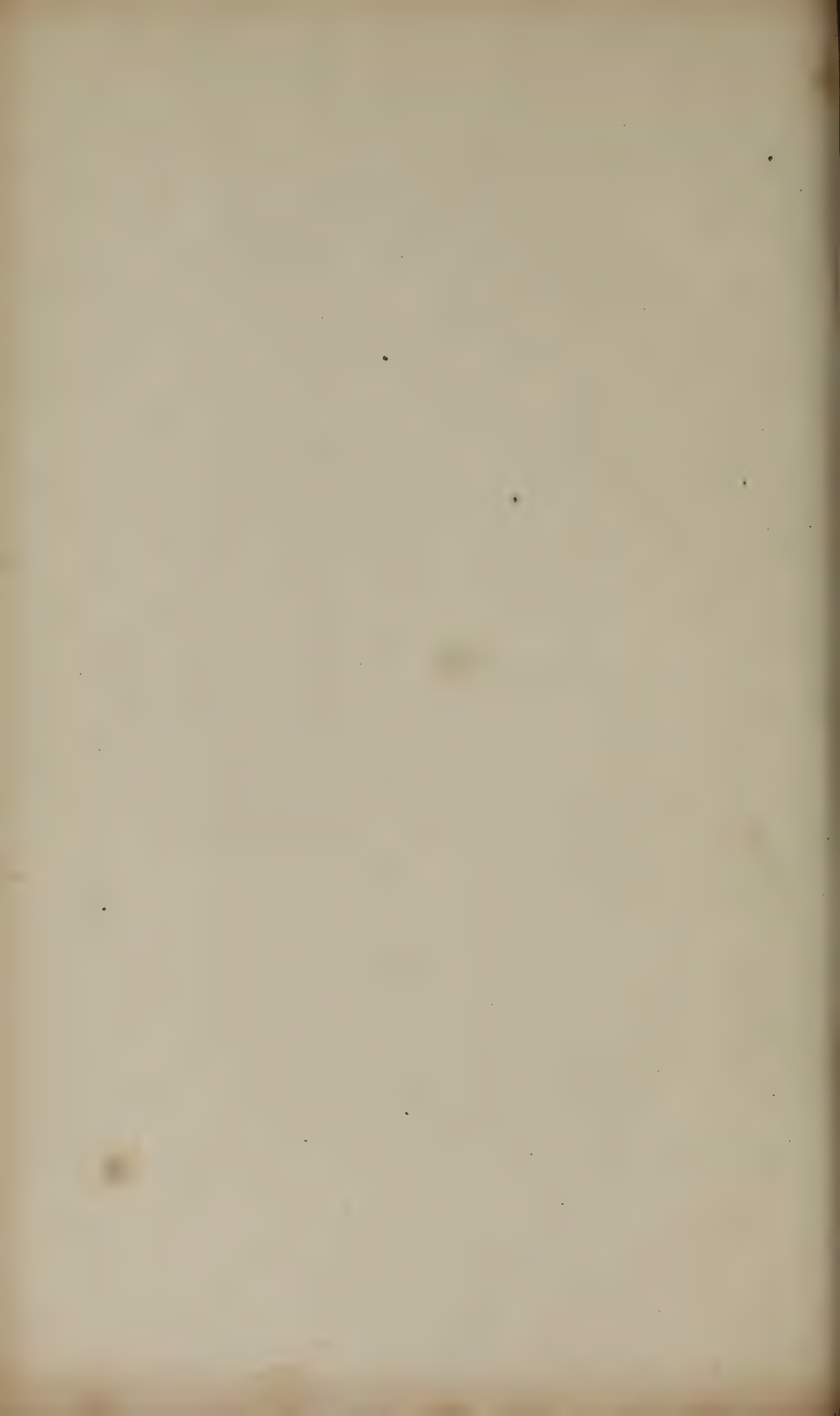
5. BRACHINUS.
6. ODACANTHA.
7. DEMETRIAS.
8. DROMIUS.

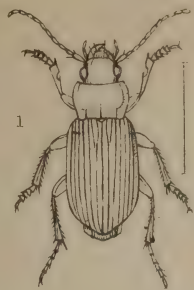




1. LEBIA.
2. LAMPRIAS
3. SCARITES.
4. CLIVINA.

5. DISCHIRIUS.
6. SELENOPHORUS.
7. ANISODACTYLUS.
8. DIACHROMUS.

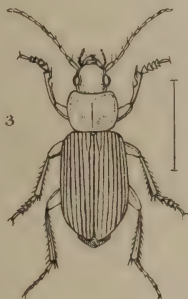




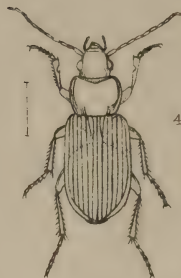
1



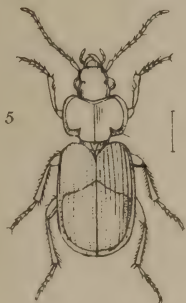
2



3



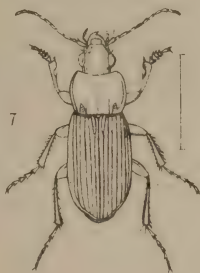
4



5



6



7

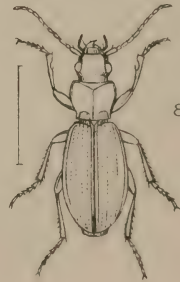
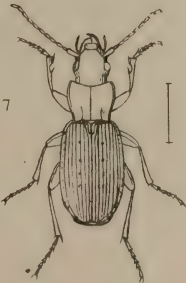
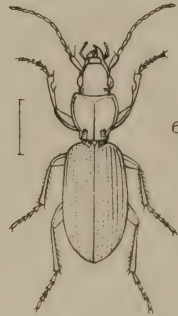
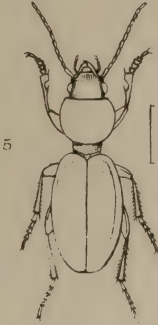
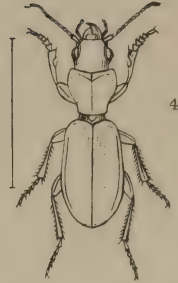
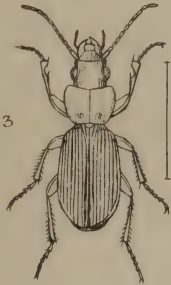
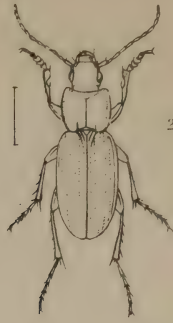


8

1. HARPALUS.
 2. ACTEPHILUS.
 3. OPHONUS.
 4. STENOLOPHUS

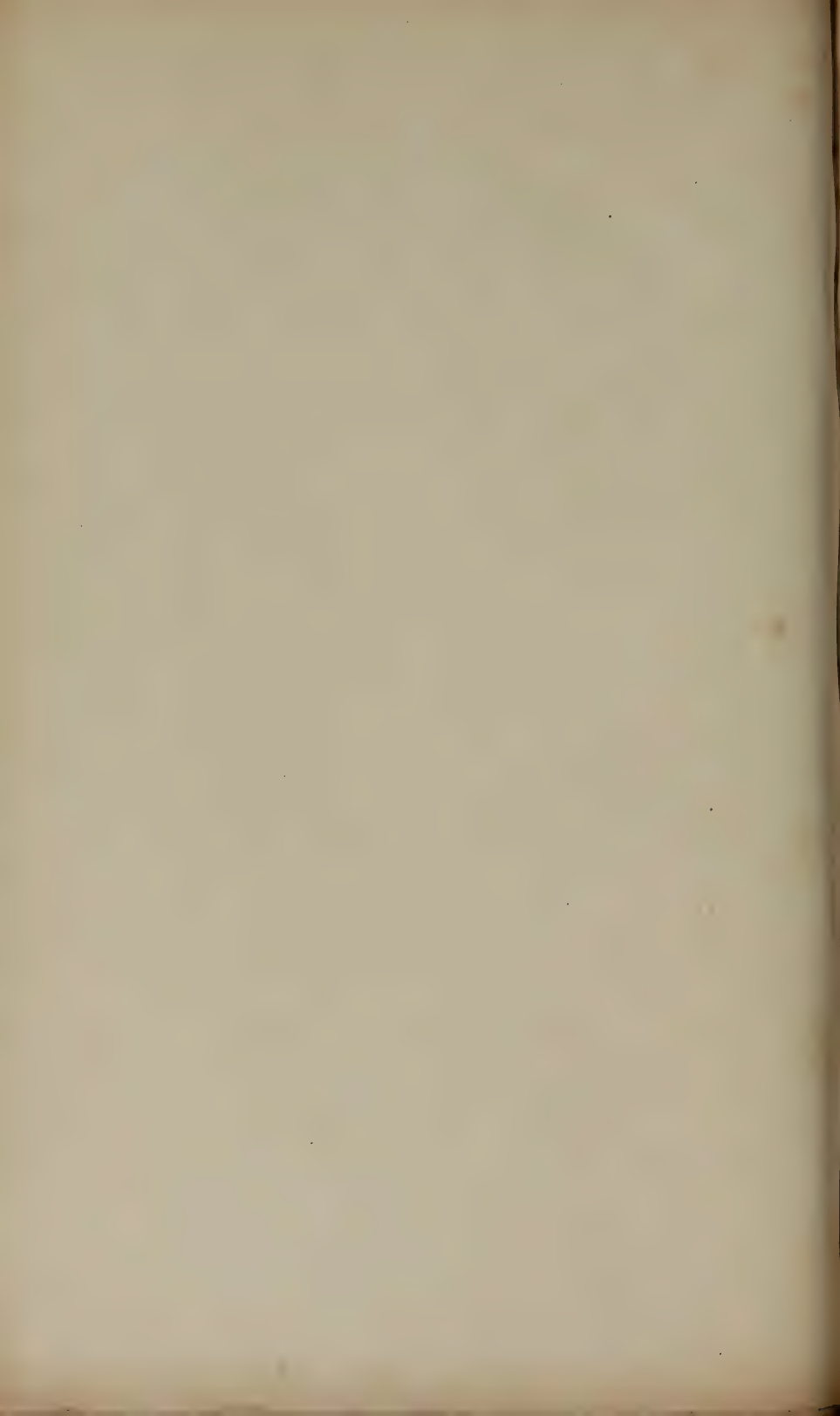
5. MASOREUS.
 6. POGONUS.
 7. PÆCILUS.
 8. OMASEUS.





1. ARGUTOR.
2. PLATYDERUS.
3. STEROPUS.
4. BROSCUS.

5. MISCODERA.
6. STOMIS
7. PATROBUS
8. PTEROSTICHUS

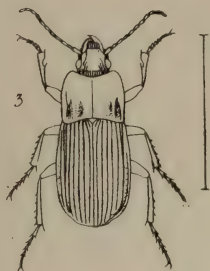




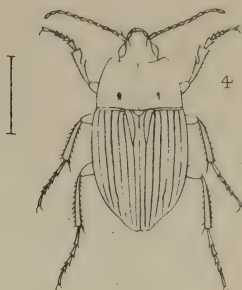
1



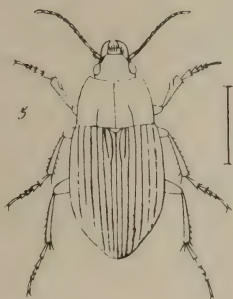
2



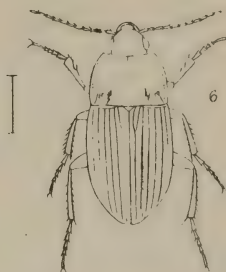
3



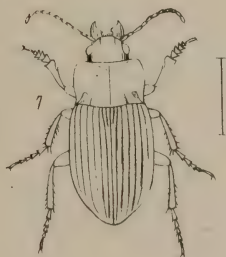
4



5



6



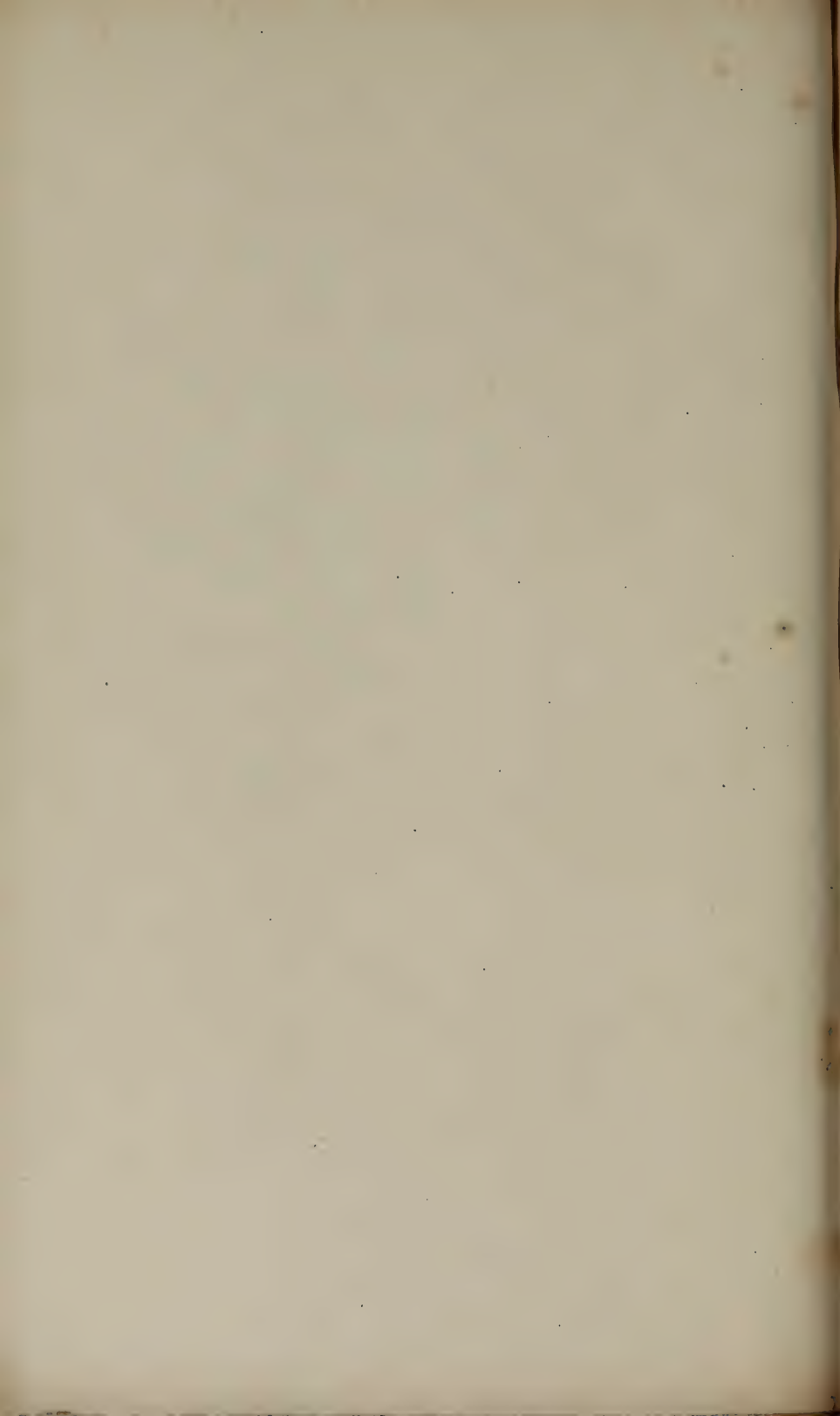
7

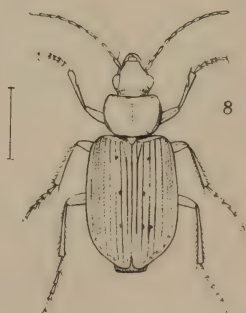
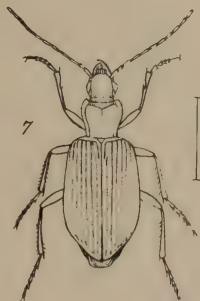
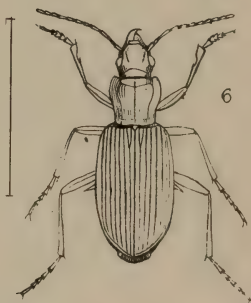
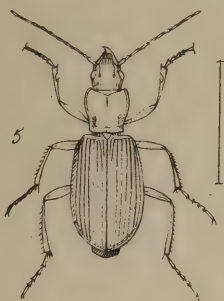
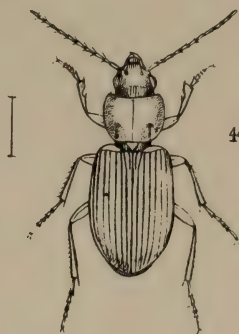
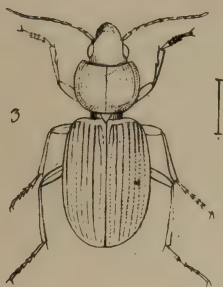
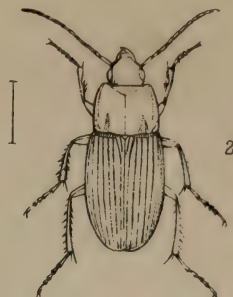
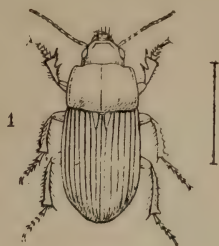


8

1. ADELOSIA.
2. PLATYSMA.
3. ABAX.
4. AMARA.

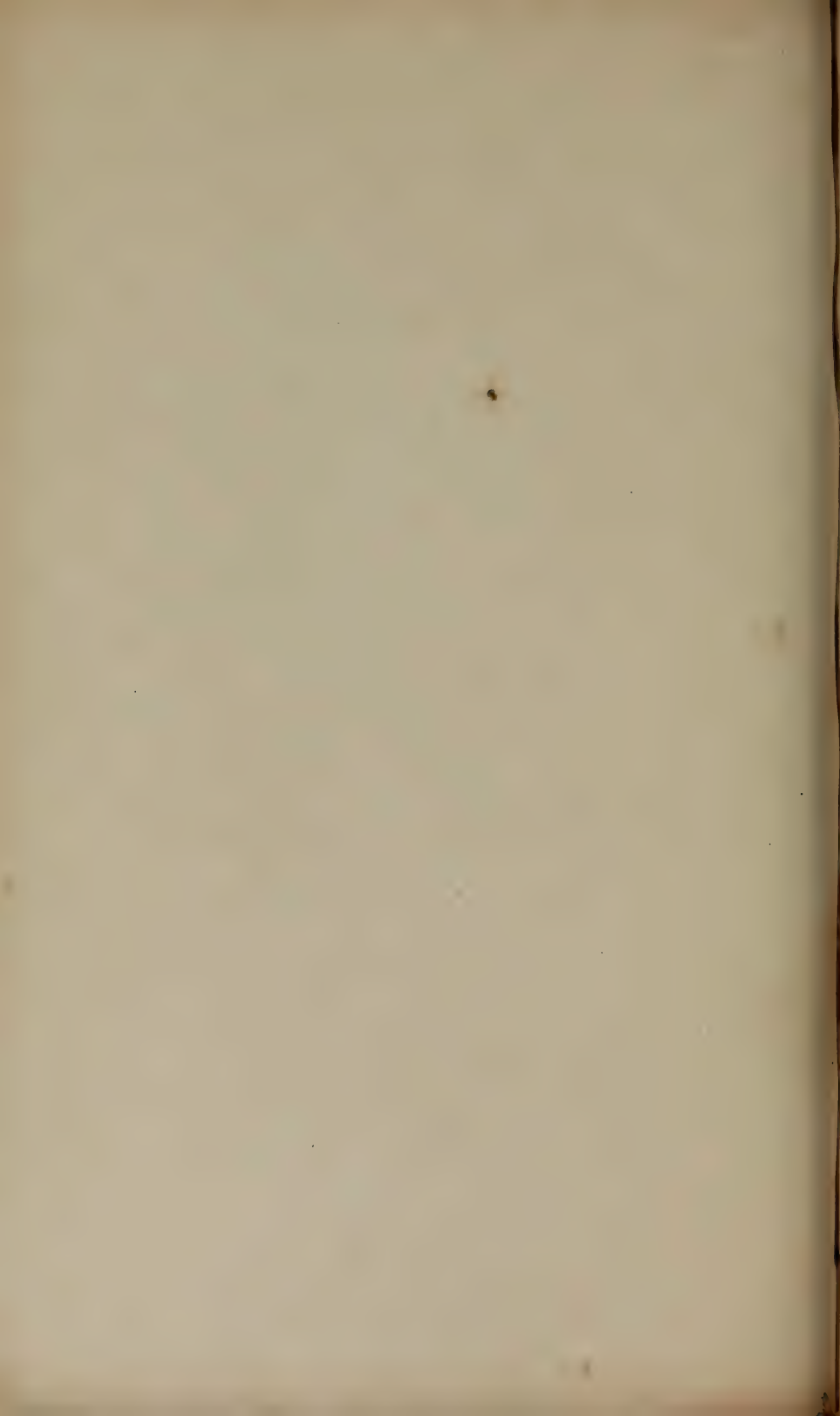
5. CELIA
6. ACRODON.
7. BRADYTUS.
8. CURTONOTUS.





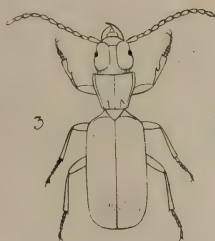
1. ZABRUS.
2. CALATHUS.
3. ODONTONYX.
4. TAPHRIA

5. PRISTONYCHUS.
6. SPHODRUS.
7. PLATYNUS.
8. AGONUM.

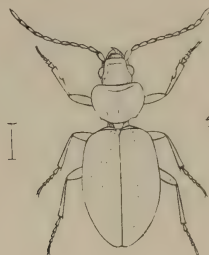




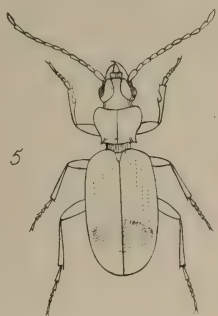
2



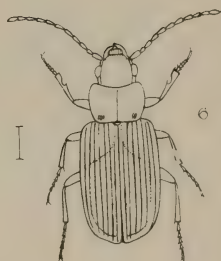
3



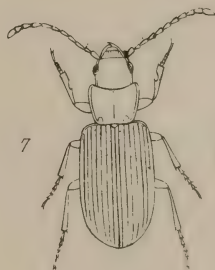
4



5



6

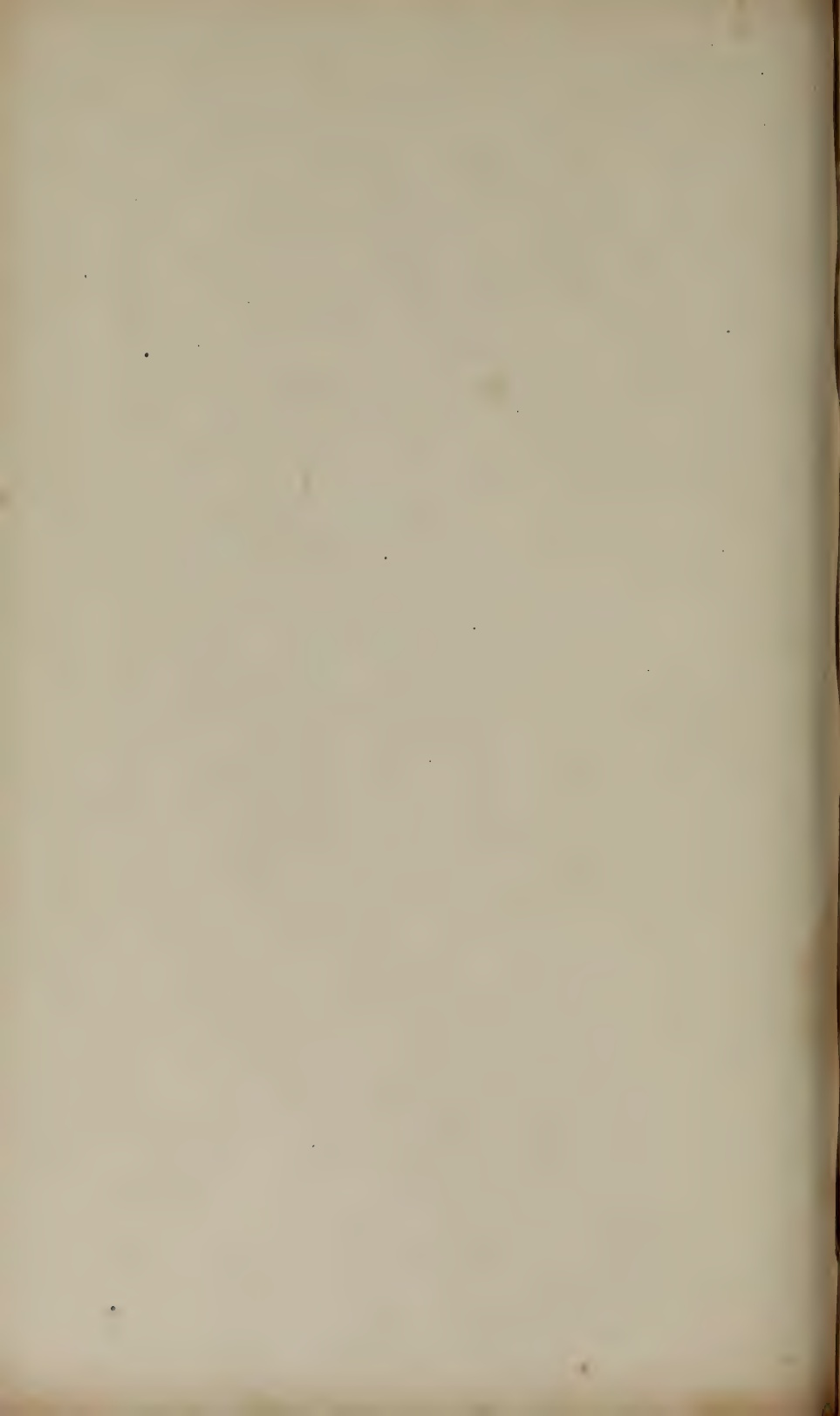


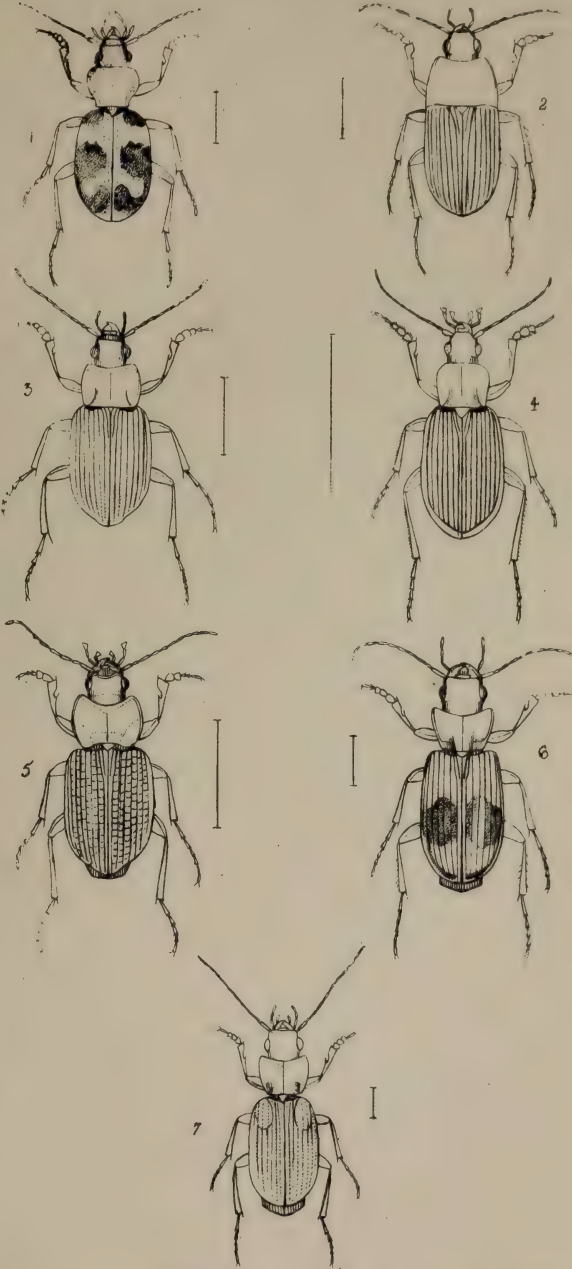
7

[1. ODONTONYX]
2. ANCHOMENUS.
3. ÆPUS.

4. EPAPHIUS.
5. BLEMUS.
6. BRADYCELLUS.

7. TRECHUS

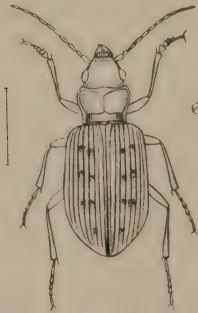
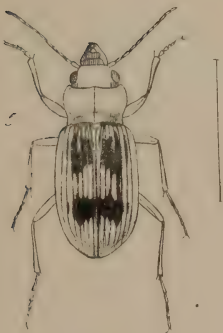
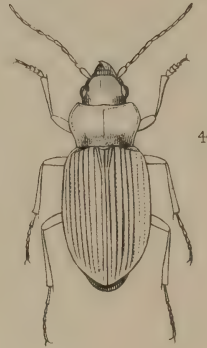
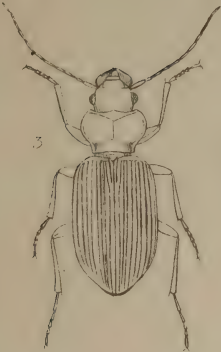
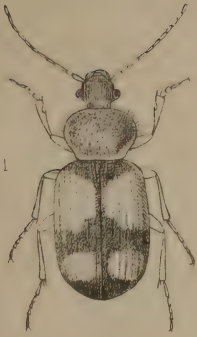




1. CALLISTUS.
2. OODES.
3. CHLÆNIUS.

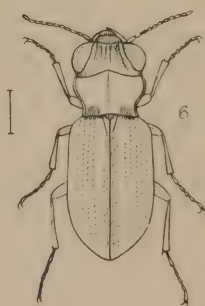
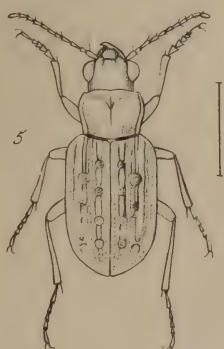
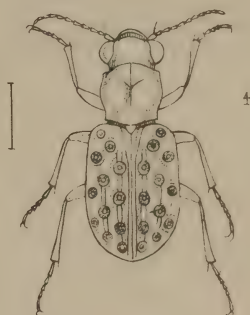
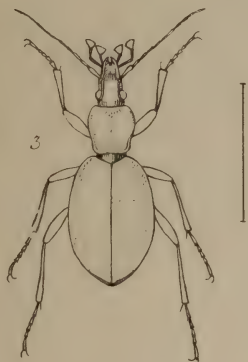
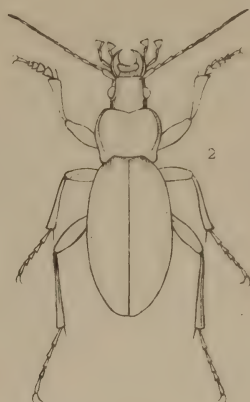
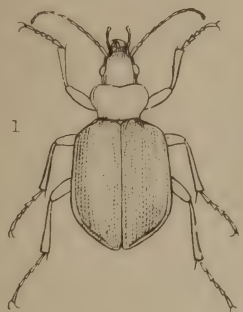
4. EPOMIS.
5. LICINUS.
6. BADISTER.

7. TRIMORPHUS.



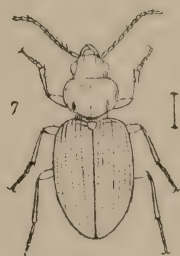
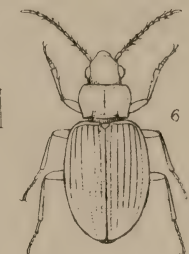
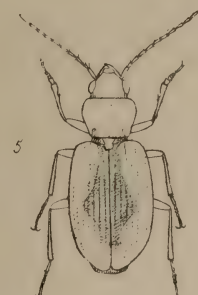
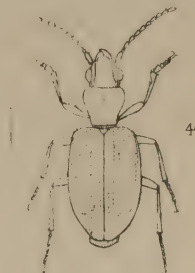
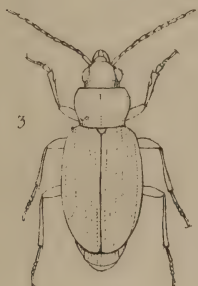
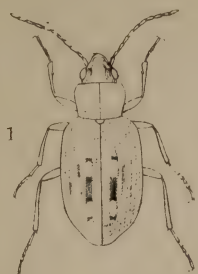
- 1 PANACÆUS.
- 2 LORICERA.
- 3 LEISTUS.

- 4 HELOBIA.
- 5 NEBRIA.
- 6 PELOPHILA.



1. CALOSOMA.
2. CARABUS.
3. CYCHNUS.

4. ELAPHRUS.
5. BLETHISA.
6. NOTIOPHILUS



1 BEMBIDIUM.

2 TACHYPUS

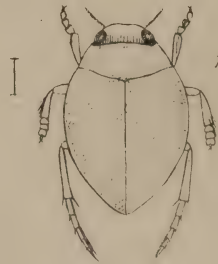
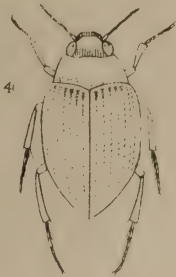
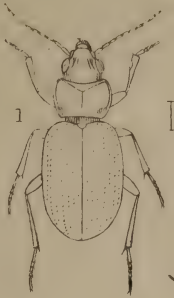
3 NOTAPHUS

4. LOPHA.

5 PERYPHUS

6. OCYS

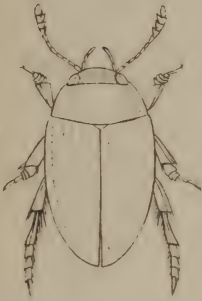
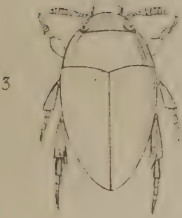
7. PHILOCHTHUS



1. TACHYS.
2. CILLENUM.
3. LYMNÆUM

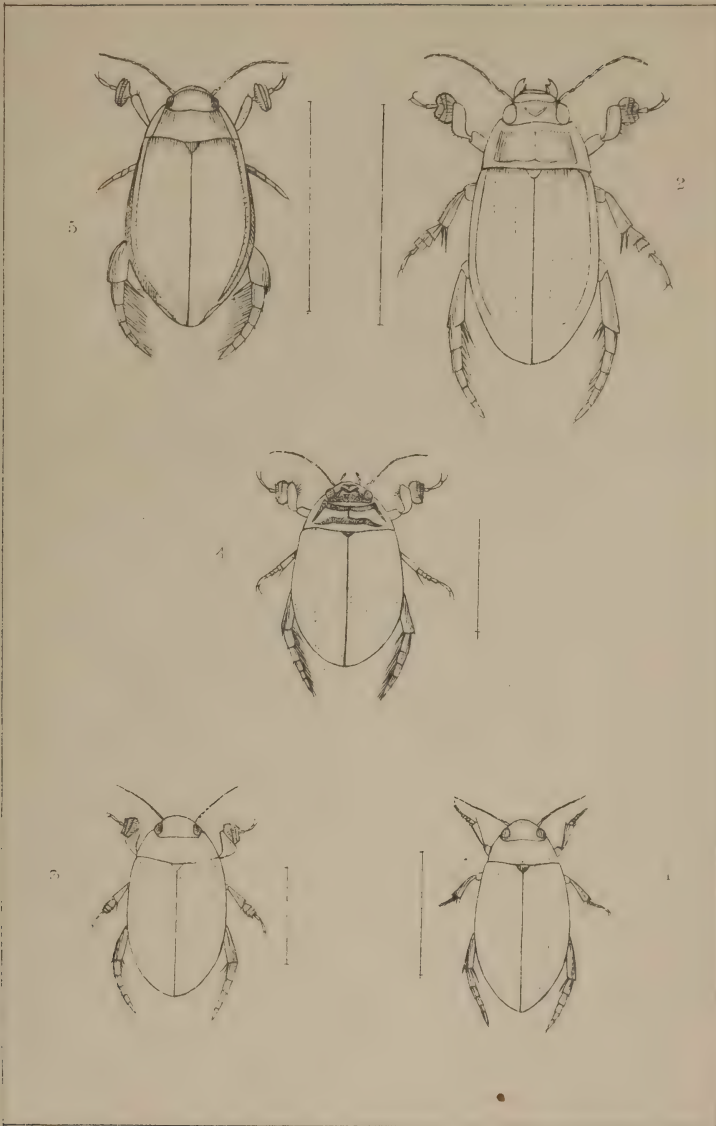
4. HALIPLUS.
5. CNEMIDOTUS
6. PELOBIUS

7. HYPHIDRUS



1. HYGROPLITIS
2. HYDROPHORUS
3. NOTERUS
4. LACCOPHILUS

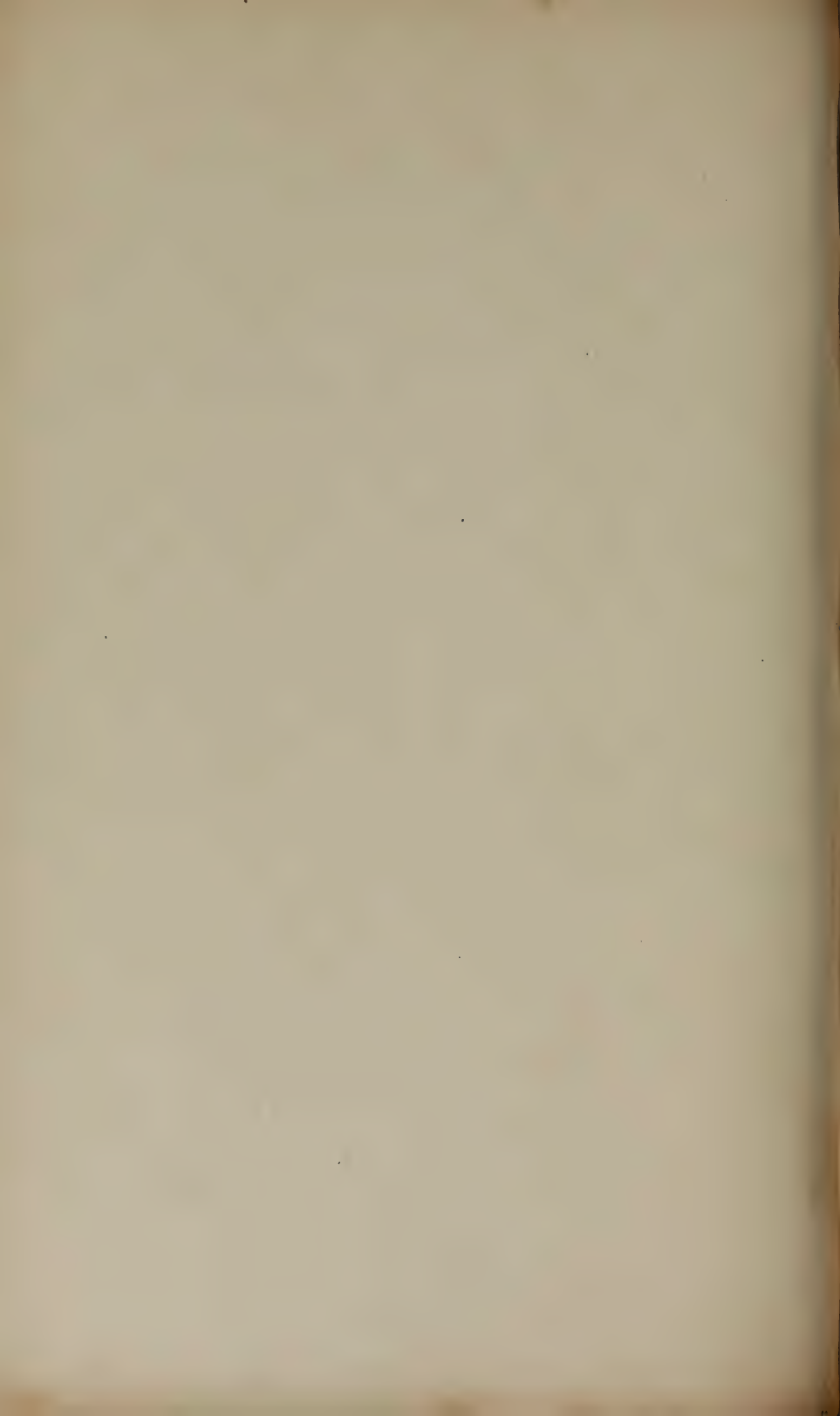
5. AGABUS
6. ILYBIUS
7. GYRINUS
8. ORECTOCHILUS

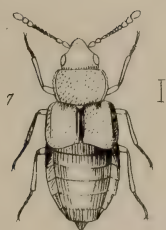
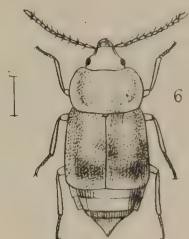
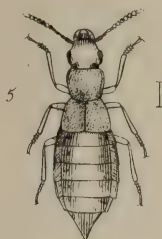
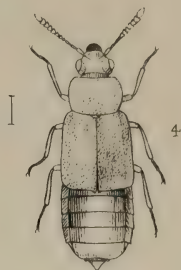
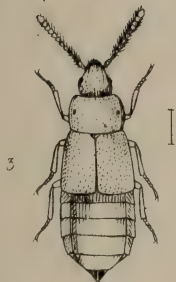
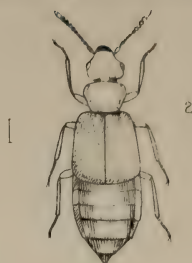
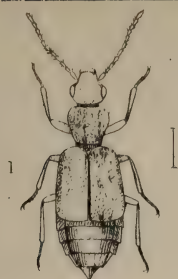


1. COLYMBETES
2. DYTISCUS.

3. HYDRATICUS.
4. ACILIUS.

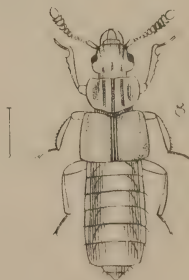
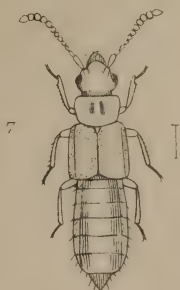
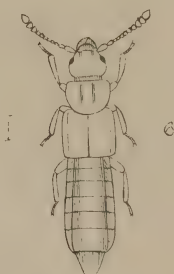
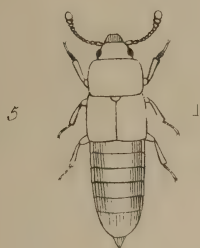
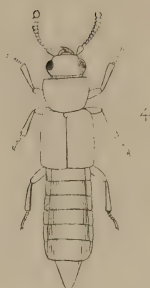
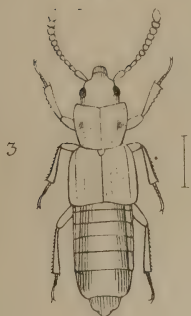
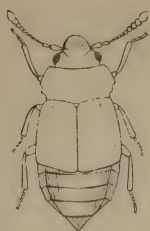
5. CYBISTER





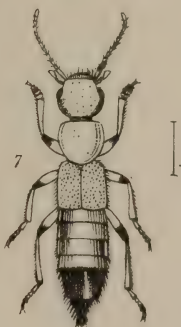
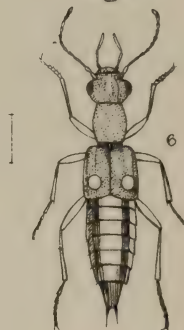
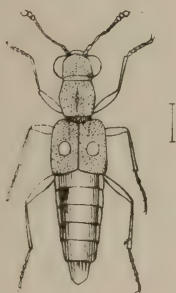
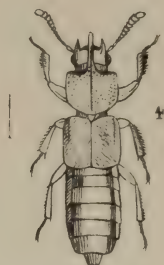
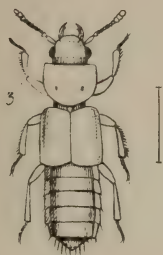
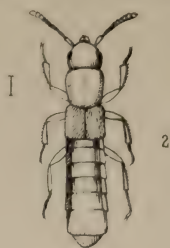
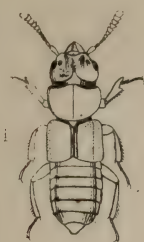
1. LESTEVA.
2. CORYPHIUM
3. ACIDOTA.
4. OMALIUM.

5. MICRALYMMMA
6. ANTHOBIUM
7. SYNTOMIUM.
8. PROTEINUS



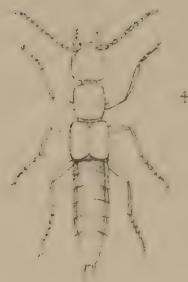
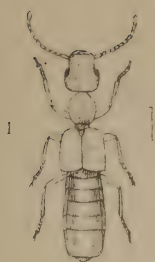
1. MEGARTHUS.
2. PSEUDOPSIS.
3. COPROPHILUS.
4. TÆNOSOMA.

5. PHLÆOCHARIS.
6. TROGOPHLEUS.
7. APODERUS.
8. OXYTELUS.



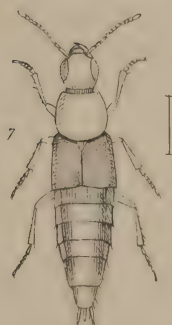
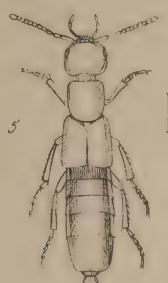
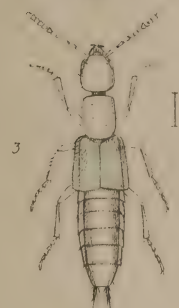
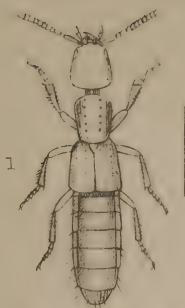
1. PLATYSTETHUS
2. PHYTOSUS
3. HESPEROPHILUS
4. BLEDIUS.

5. STENUS.
6. DIANOUS
7. PÆDERUS.
8. RUGILUS



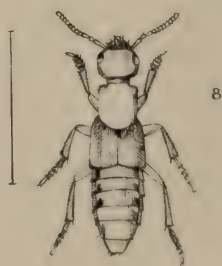
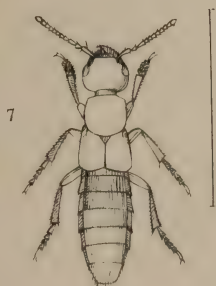
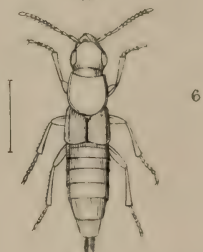
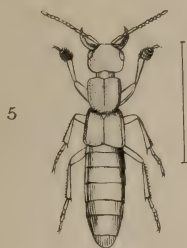
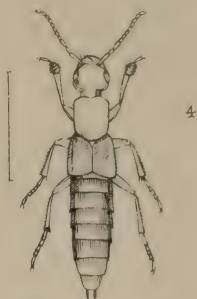
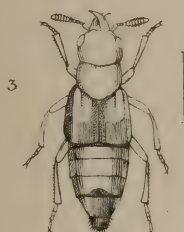
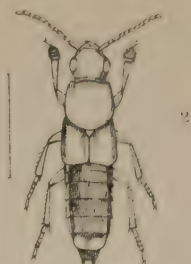
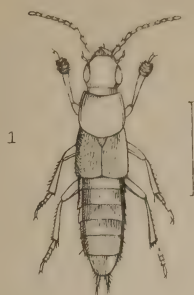
1. ASTENUS.
2. SUNIUS.
3. EVÆSTHETUS.
4. MEDON.

5. SIACONIUM.
6. ACHENIUM.
7. CRYPTOBIIUM.
8. LATHROBIUM.



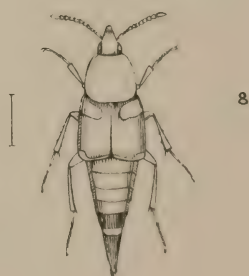
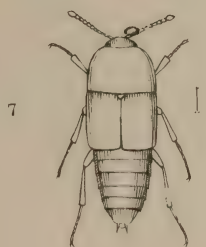
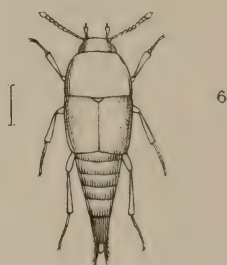
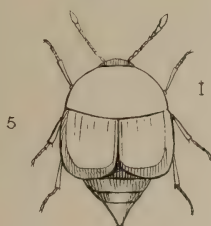
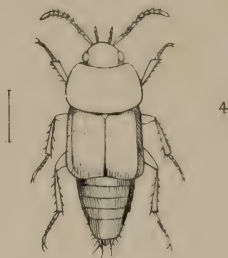
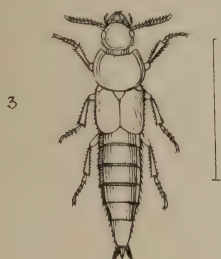
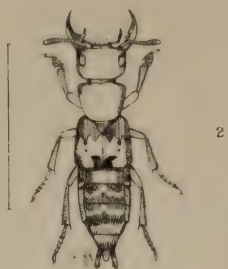
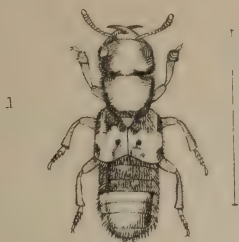
1. GYROHYPNUS.
2. OTHIUS.
3. GABRIUS.
4. CAFIUS.

5. BISNIUS.
6. HETEROTHOPS.
7. RAPHIRUS.
8. PHILONTHUS.



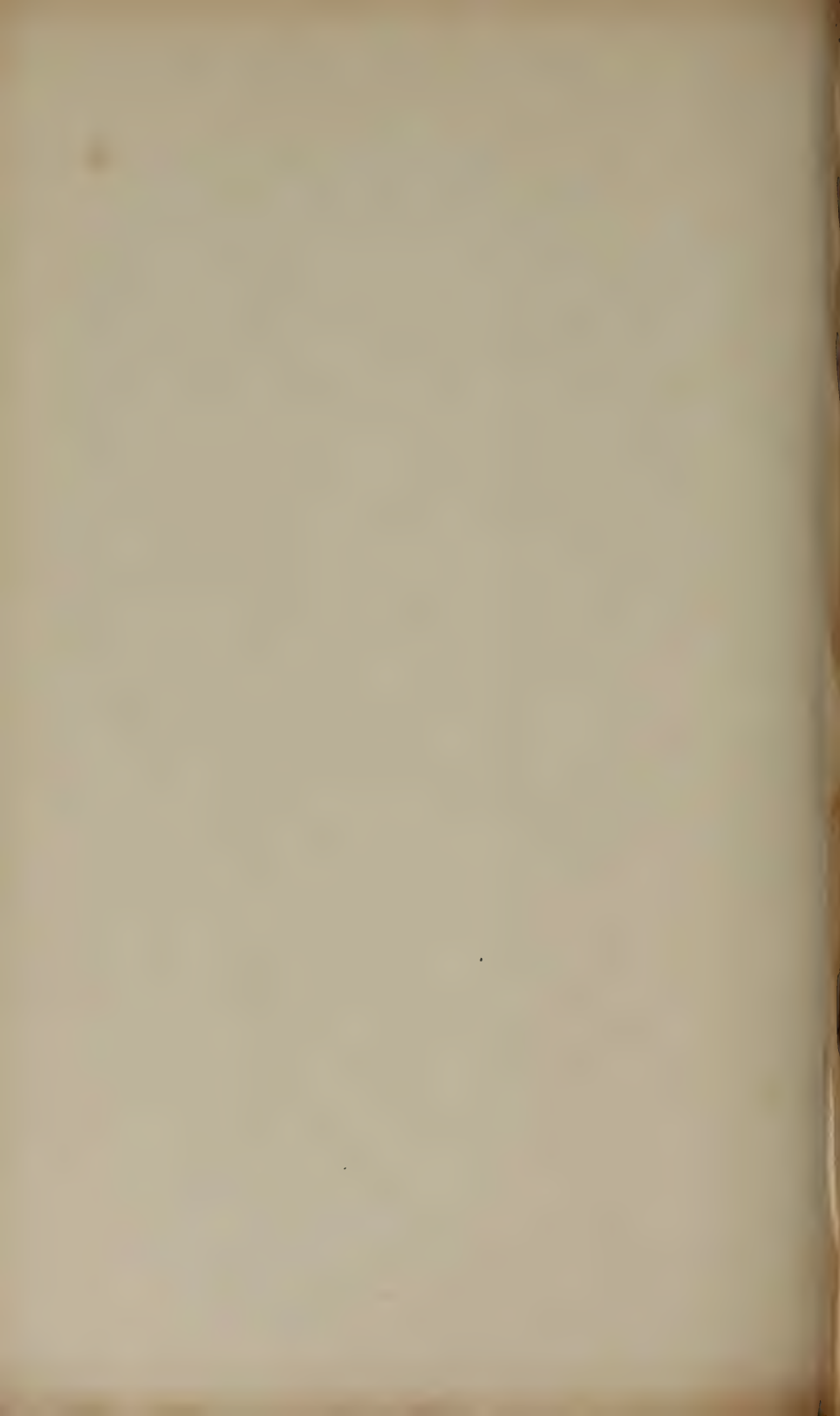
1. QUEDIUS.
2. ASTRAPÆUS
3. OXYPORUS.
4. TASGIUS

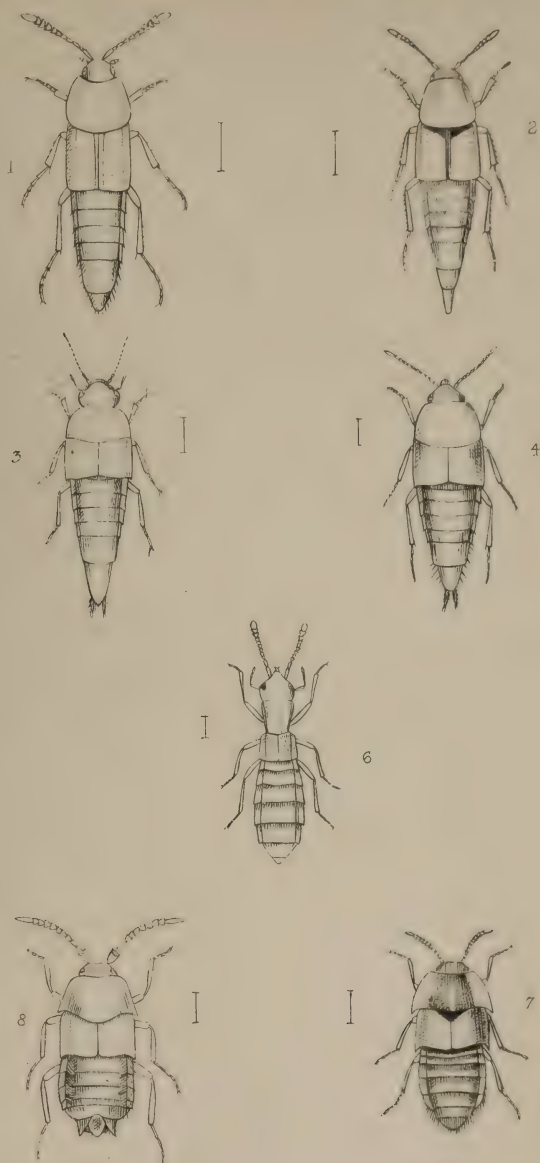
5. OCYPUS
6. EURYPORUS.
7. GOERIUS.
8. STAPHYLINUS



1. EMUS.
2. CREOPHILUS.
3. VELLEIUS.
4. TACHINUS.

5. CYPHA.
6. CONURUS
7. TACHYPORUS.
8. BOLITOBIUS

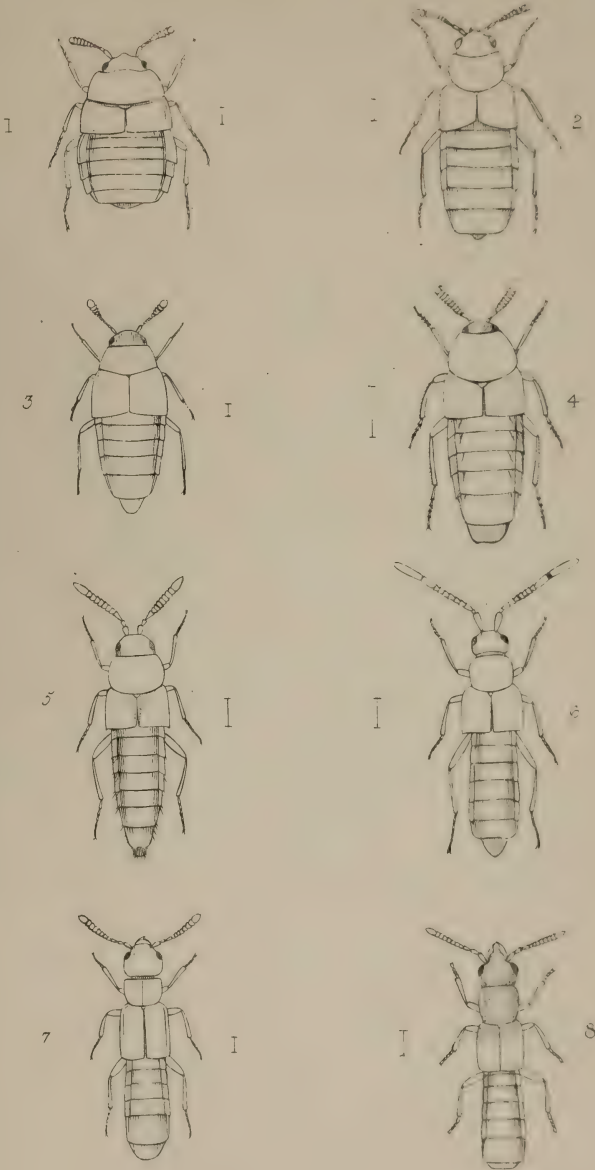




1. MEGACRONUS.
 2. MYCETOPORUS.
 3. DEINOPSIS.

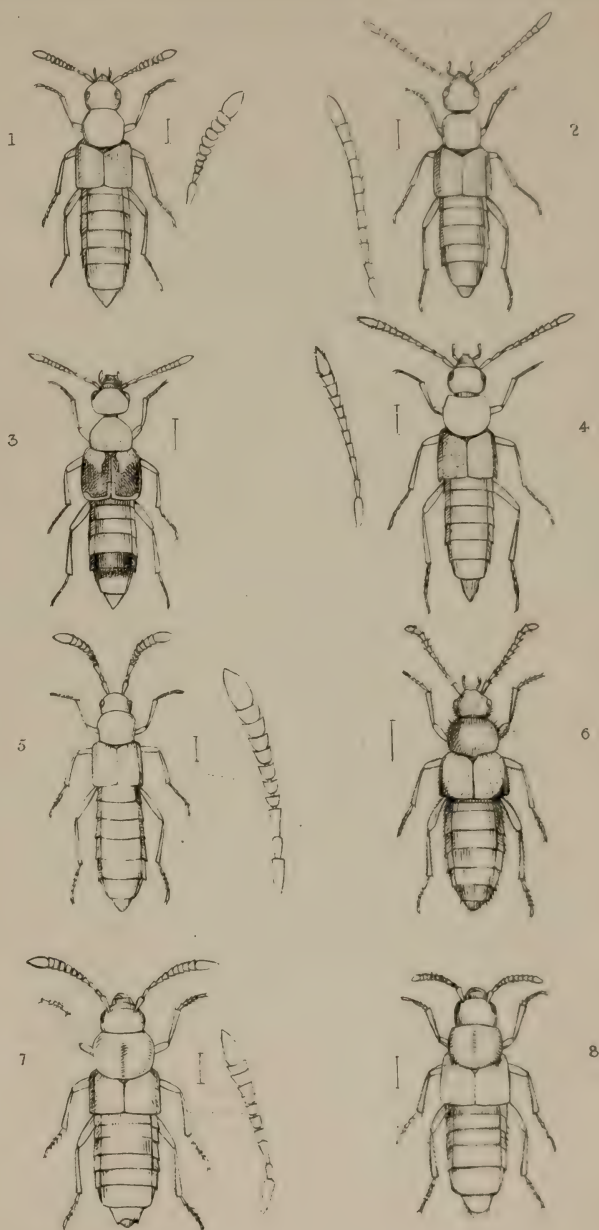
4. CENTROGLOSSA.
 6. DIGLOSSA.
 7. DINARDA.

8. ATEMELES.



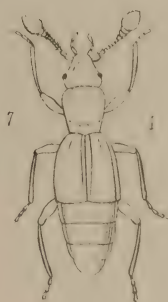
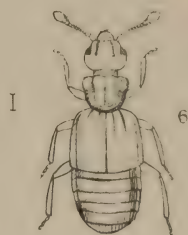
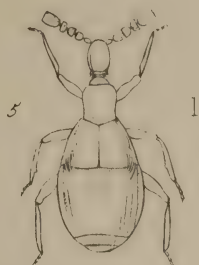
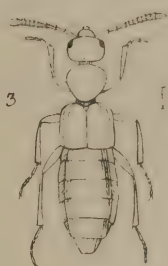
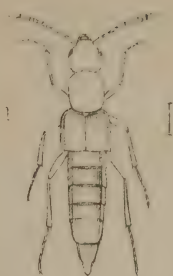
1. ENCEPHALUS.
2. GYROPHÆNA.
3. OLIGOTA.
4. ALEOCHARA.

5. OXYPODA.
6. CALLICERUS.
7. HOMALOTA.
8. HYGRONOMA.



1. PHLÆOPORA.
2. TACHYUSA.
3. BOLITOCARA.
4. OCALEA.

5. CALODERA.
6. ZYRAS.
7. PELLA.
8. POLYSTOMA.



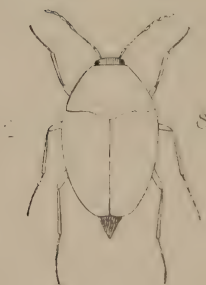
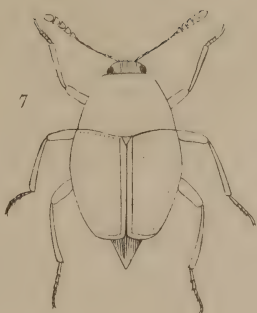
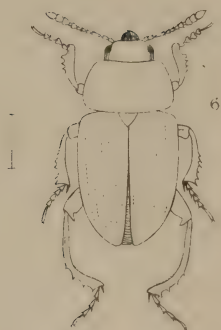
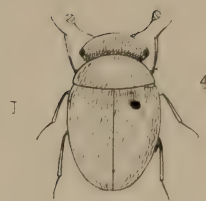
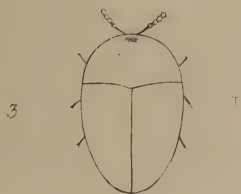
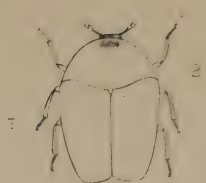
- 1 ISCHNOPODA.
2 ASTILBUS.
3 FALAGRIA.
4 AUTALIA.

- 5 CLAVIGER.
6 EUPLECTUS.
7 TRIMIUM.
8 BATRISUS



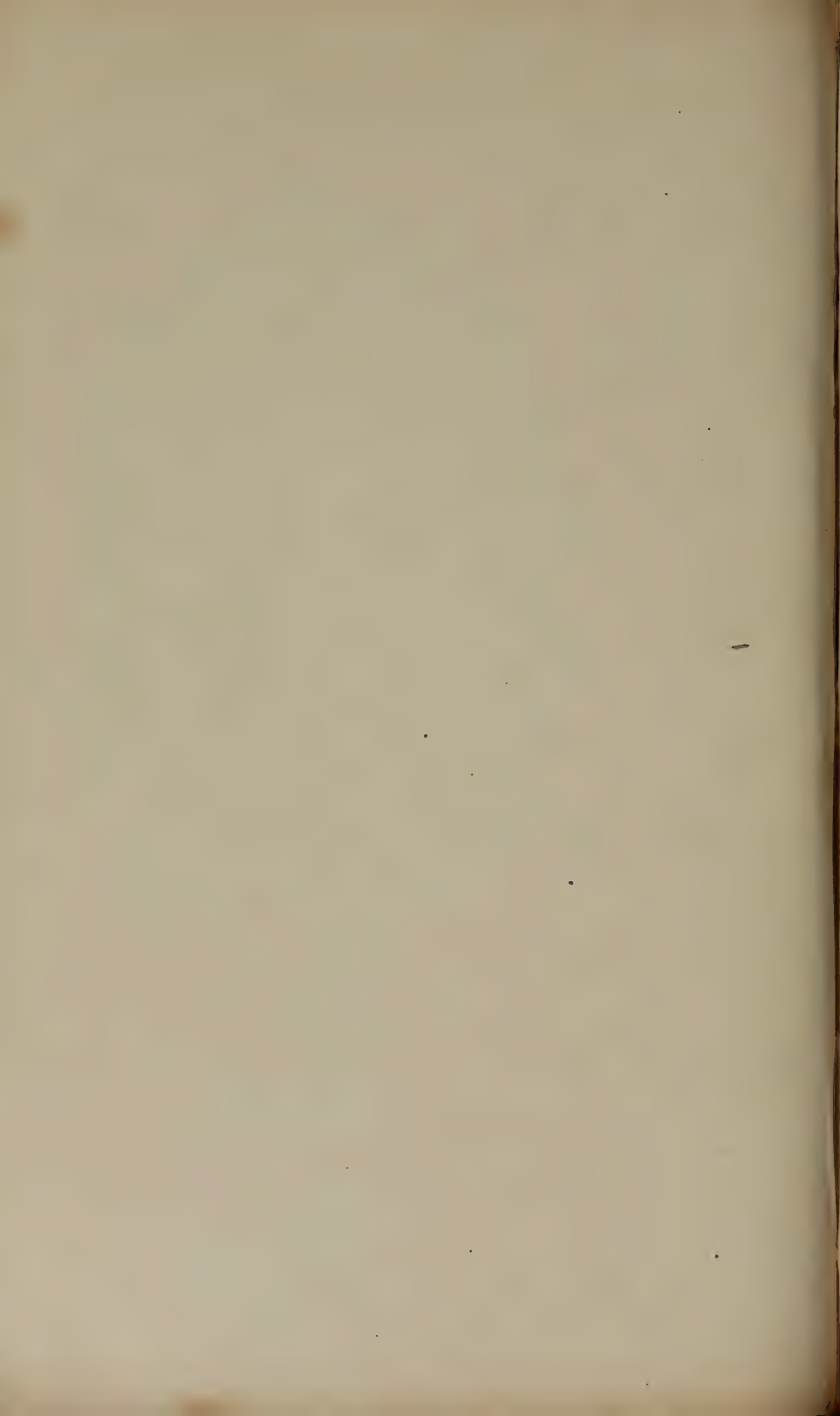
1. TYCHUS
2. ARCOPIAGUS.
3. BYTHINUS.
4. BRYAXIS.

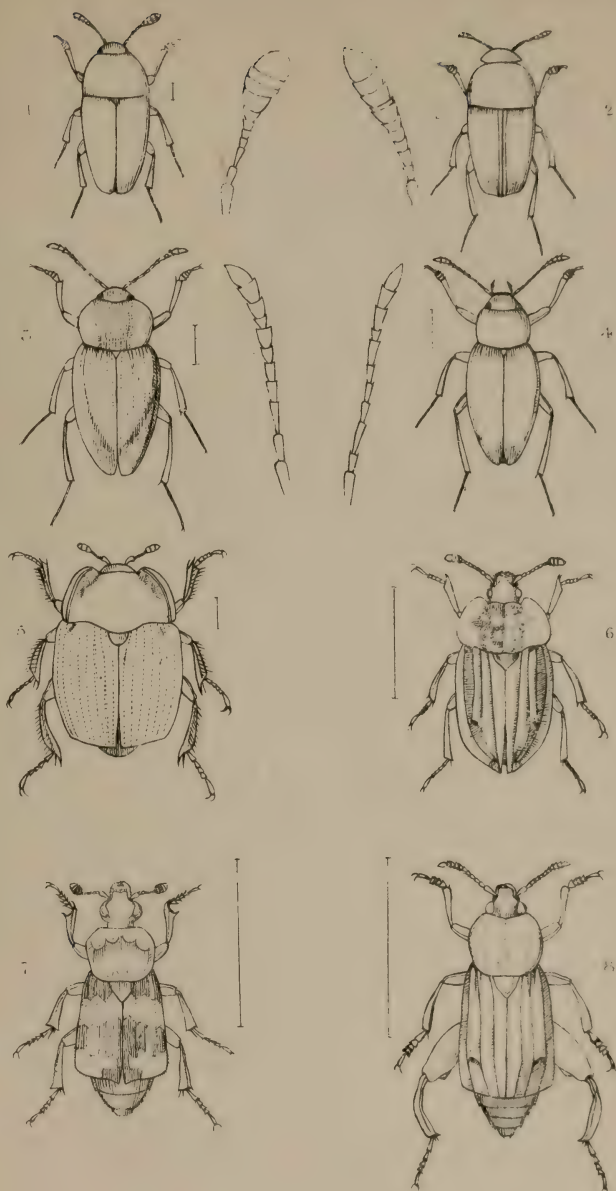
5. PSELAPHUS.
6. SCYDMÆNUS.
7. MEGALADERUS.
8. EUTHEJA.



1. SERICODERUS.
2. ORTHOPERUS.
3. CLYPEASTER.
4. CLAMBUS.

5. ACATHIDIUM.
6. LEIODES.
7. SCAPHIDIUM.
8. SCAPHISOMA.

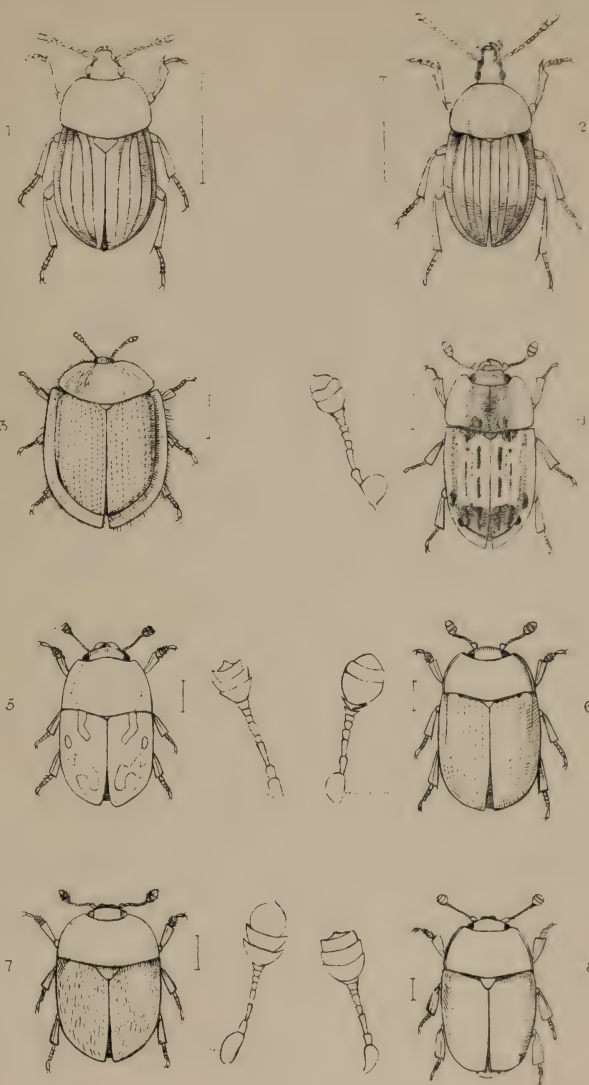




1. MYLÆCHUS (COLON)
 2. PTOMAPHAGUS.
 3. CATOPS.
 4. CHOLEVA.

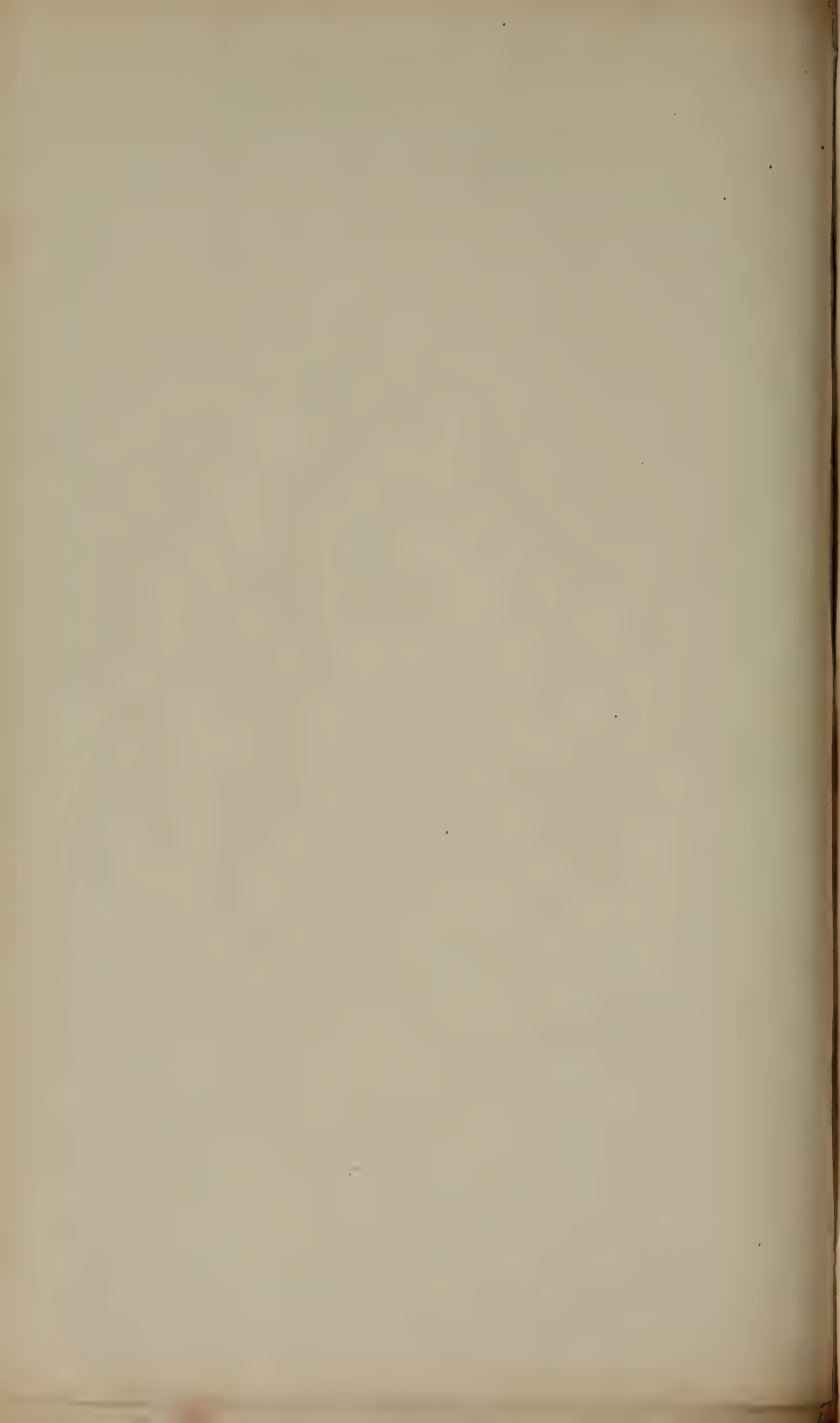
5 SPHERITES.
 6 NECROPHORUS.
 7 NECRODES.
 8 OICEOPTOMA.

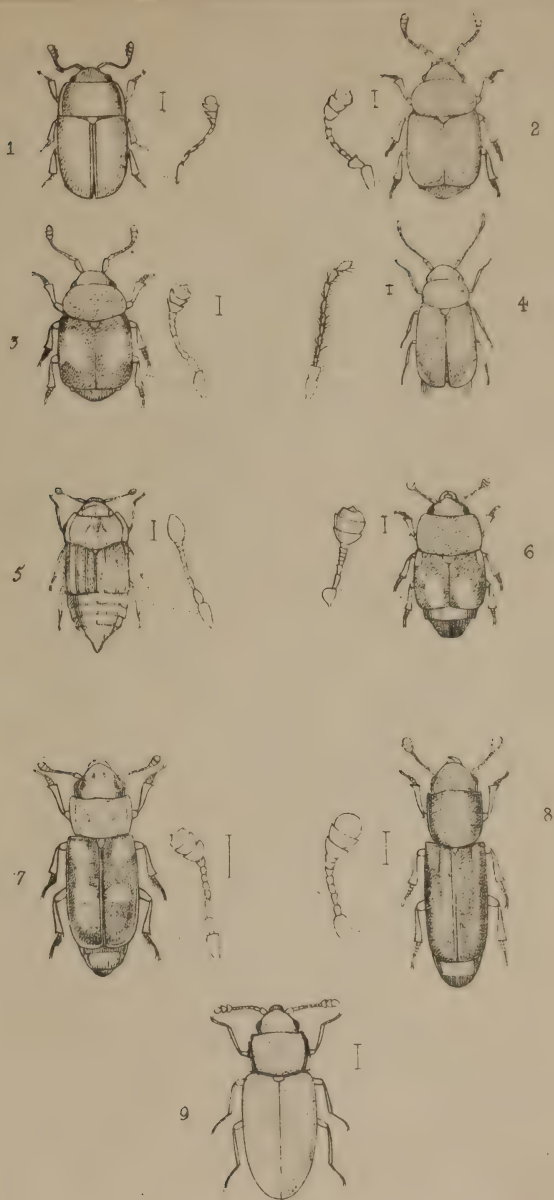




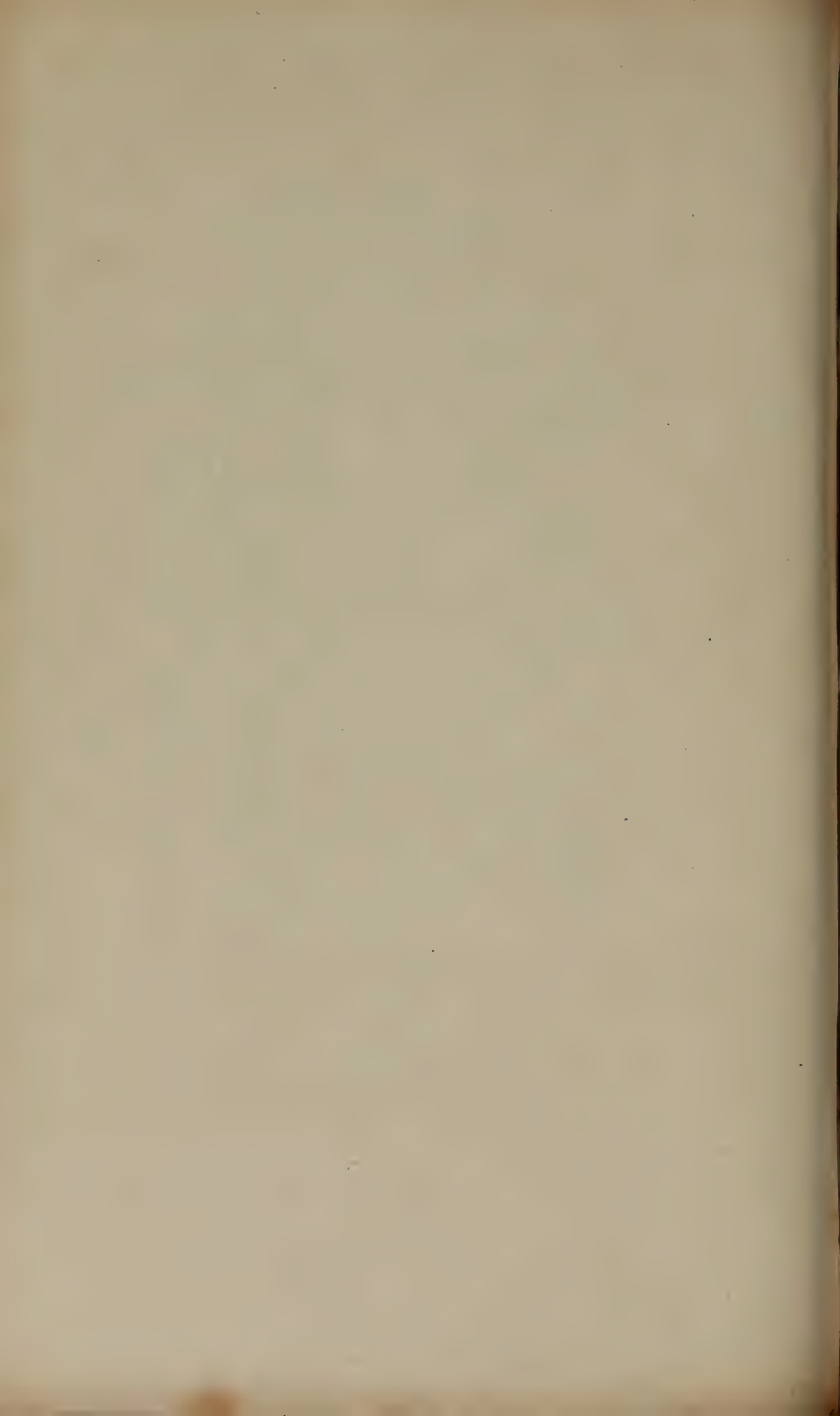
1. SILPHA.
2. PHOSPHUGA.
3. THYMALUS.
4. NITIDULA.

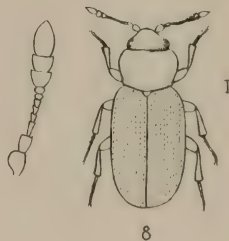
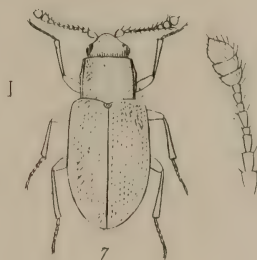
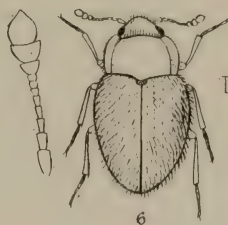
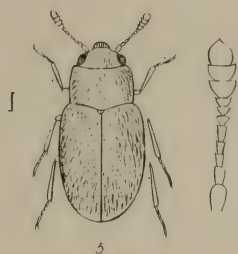
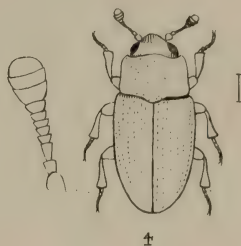
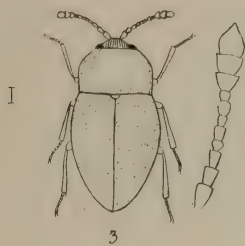
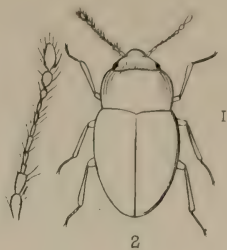
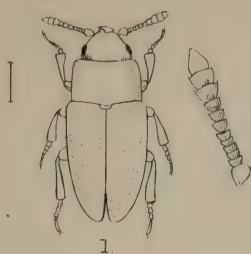
5. CRYPTARCHUS.
6. STRONGYLUS.
7. CAMPTA.
8. MELIGETHES.





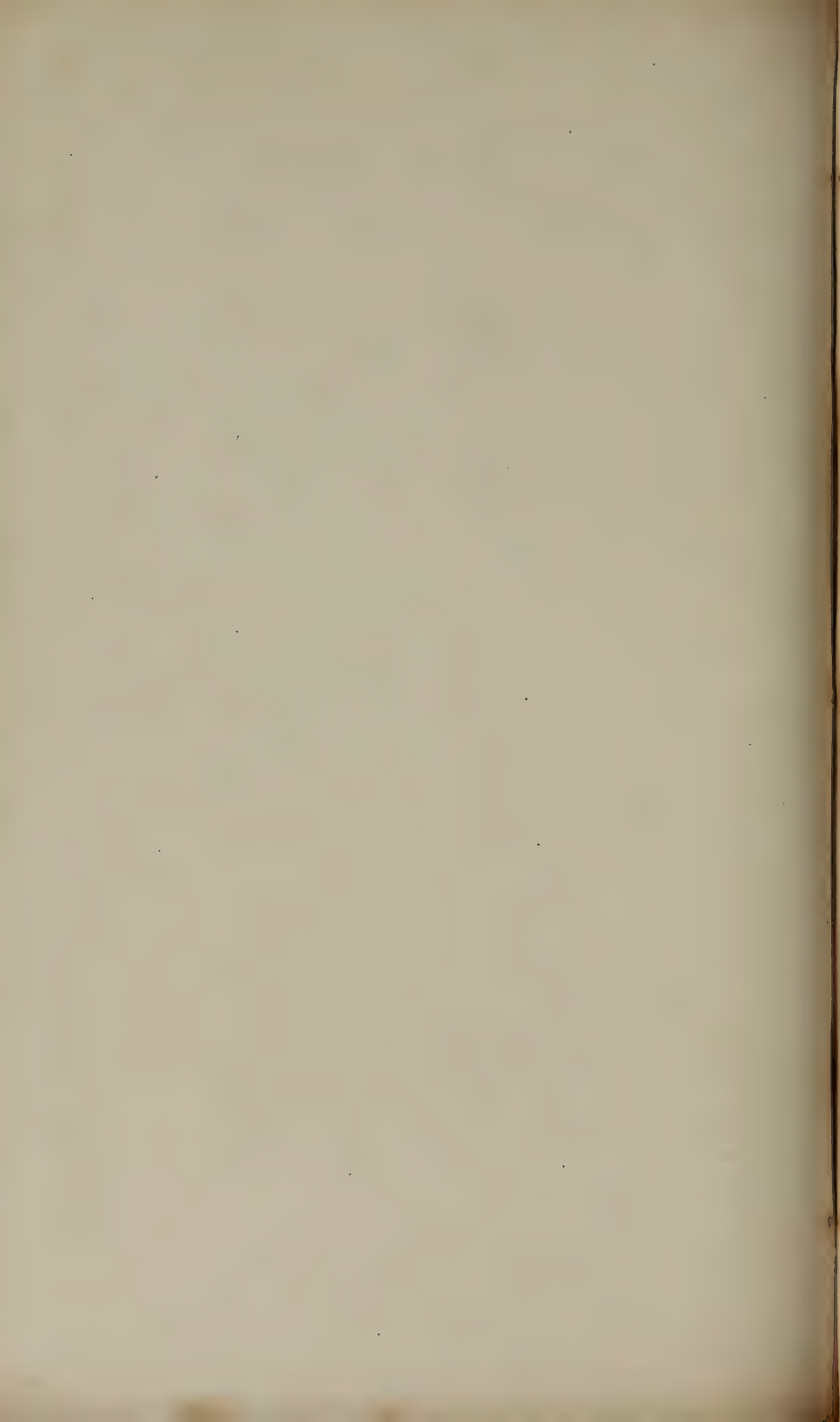
- | | |
|------------------|-----------------|
| 1. PRIÆ. | 5. MICROPEPLUS. |
| 2. ANOMŒOCERA. | 6. CARPOPHILUS |
| 3. CÂTERETES. | 7. IPS |
| 4. TRICHOPTERYX. | 8. PITYOPHAGUS. |
| 9. CRYPTOPHAGUS. | |

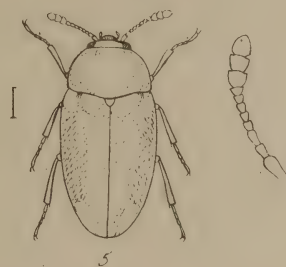
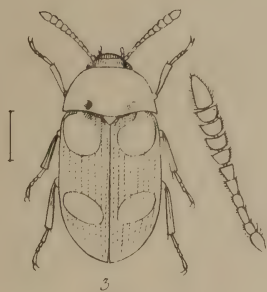
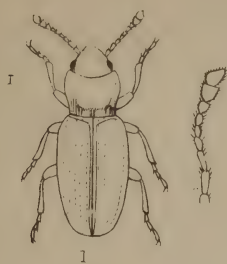




1. ANTHEROPHAGUS.
2. ANISARTHRIA.
3. ATOMARIA.
4. ENGIS.

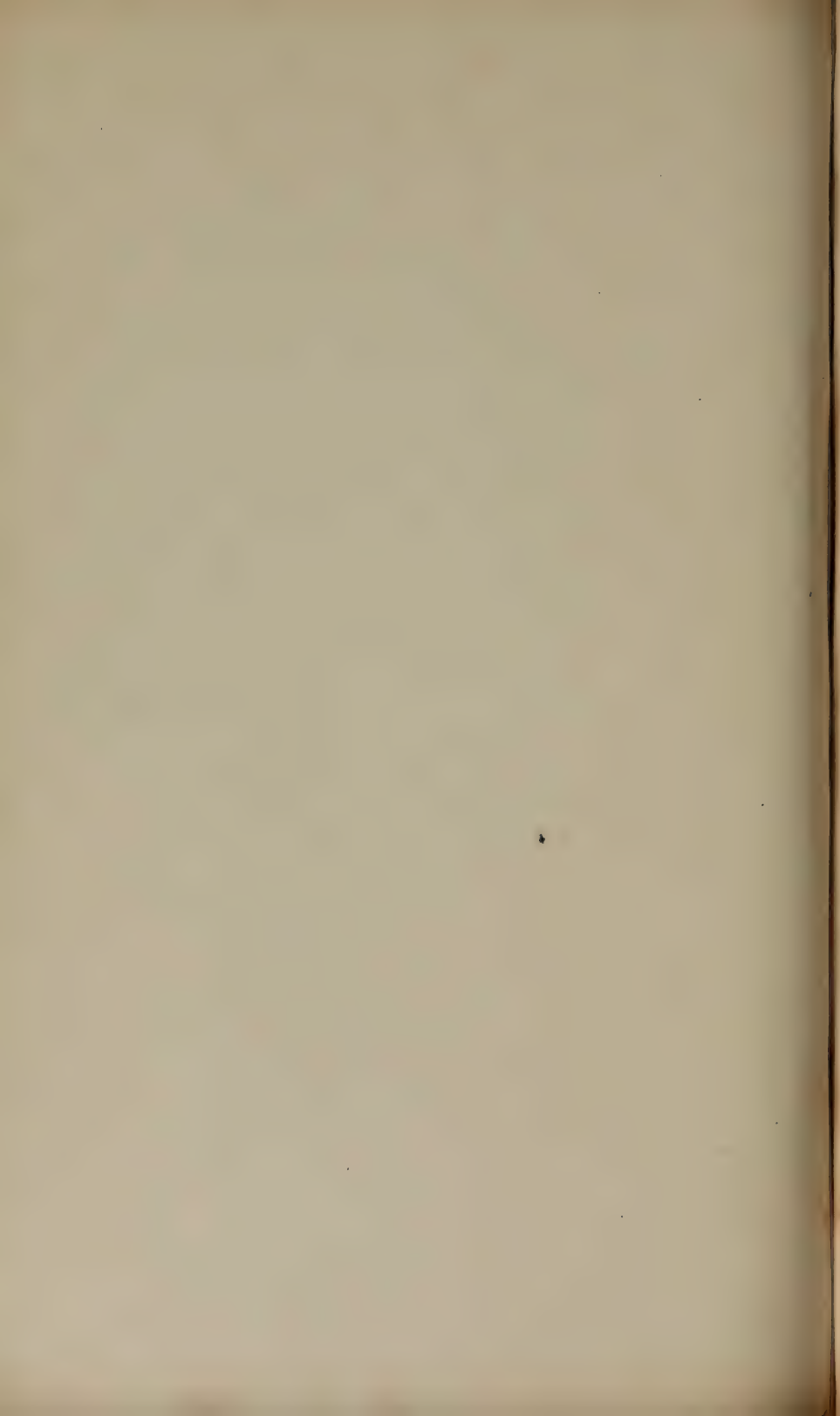
5. TYPHÆA.
6. MYCETÆA.
7. PARAMECSSOMA.
8. CORTICARIA.

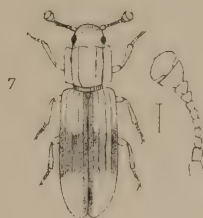
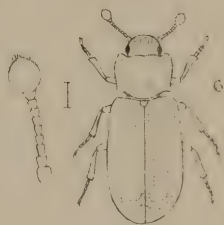
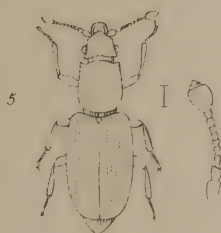
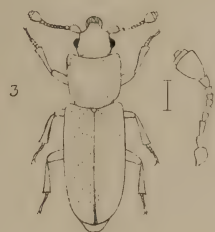
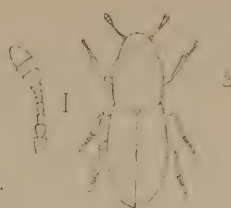
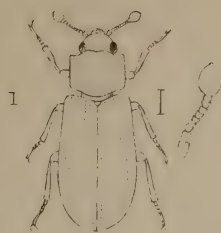




1. HOLOPARAMECUS.
2. TETRATOMA.
3. MYCETOPHAGUS.
4. BIPHYLLUS

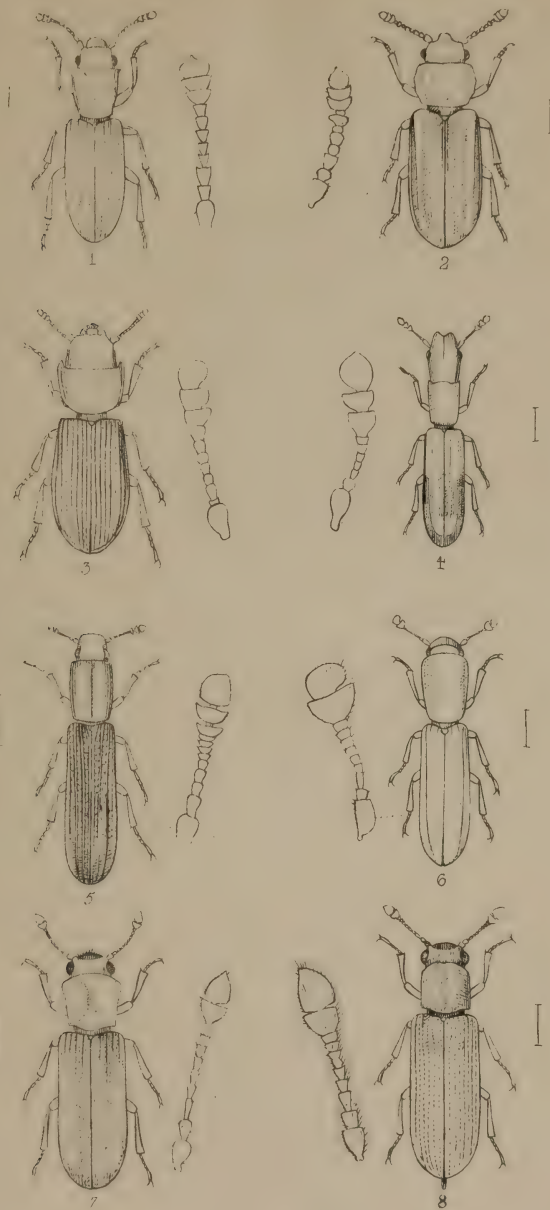
5. TRIPHYLLUS.
6. PHLOIOPHILUS.
7. BYTURUS.
8. CERYLON.





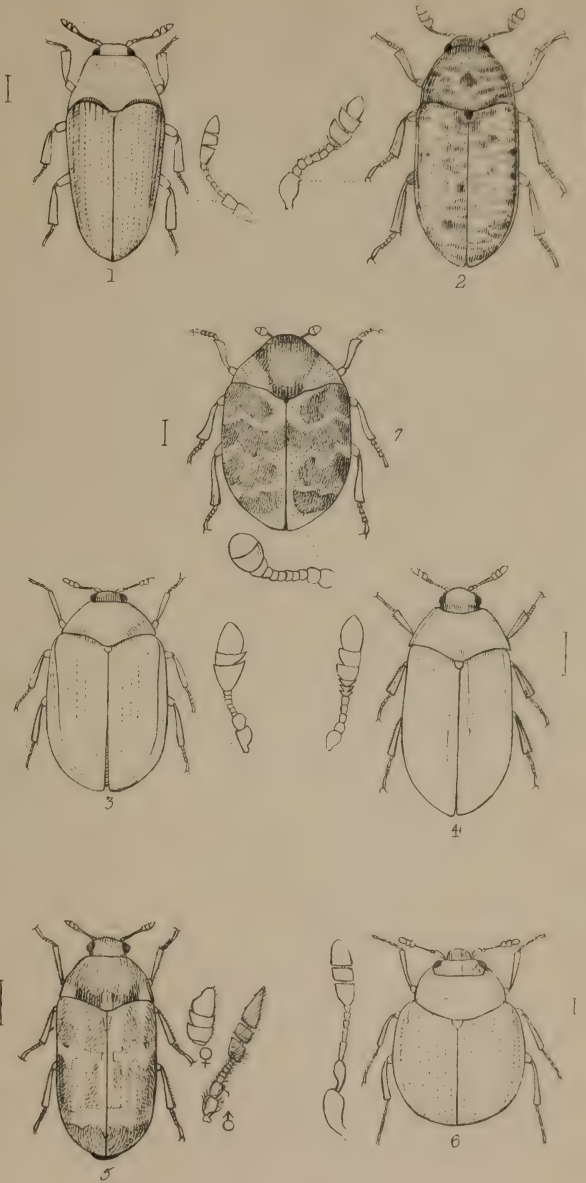
1. SYNCHITA.
2. ANOMMATUS.
3. RHYZOPHAGUS.
4. LISSODEMA

5. MONOTOMA.
6. CICONES.
7. BITOMA.
8. LATRIDIVS.



1. SILVANUS.
2. PEDIACUS.
3. TROGOSITA.
4. NEMOSOMA.

5. COLYDIUM.
6. TEREDUS.
7. XYLOTROGUS.
8. LYCTUS.



1. THROSCUS
2. DERMESTES
3. TIRESIAS

4. ATTAGENUS.
5. MEGATOMA.
6. ASPIDIPHORUS.

7. ANTHRENUS.



I

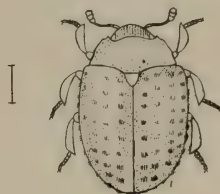


I

2

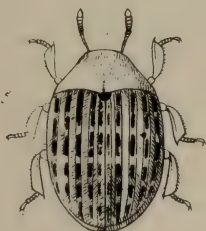


I



I

4



I

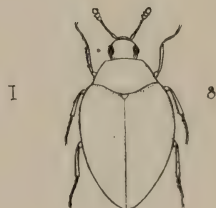


I

6



I



I

8

1 TRINODES

2 LIMNICHUS.

3 SYNCALYPTA.

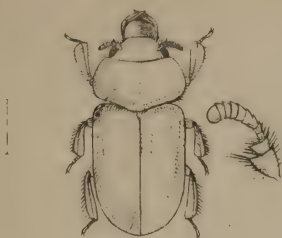
4 NOSODENDRON

5. BYRRHUS.

6 OOMORPHUS.

7 SIMPLOCARIA.

8 EPHISTEMUS.



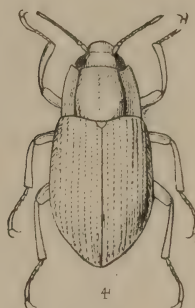
1



2



3



4



5



6

1. HETERO CERUS.

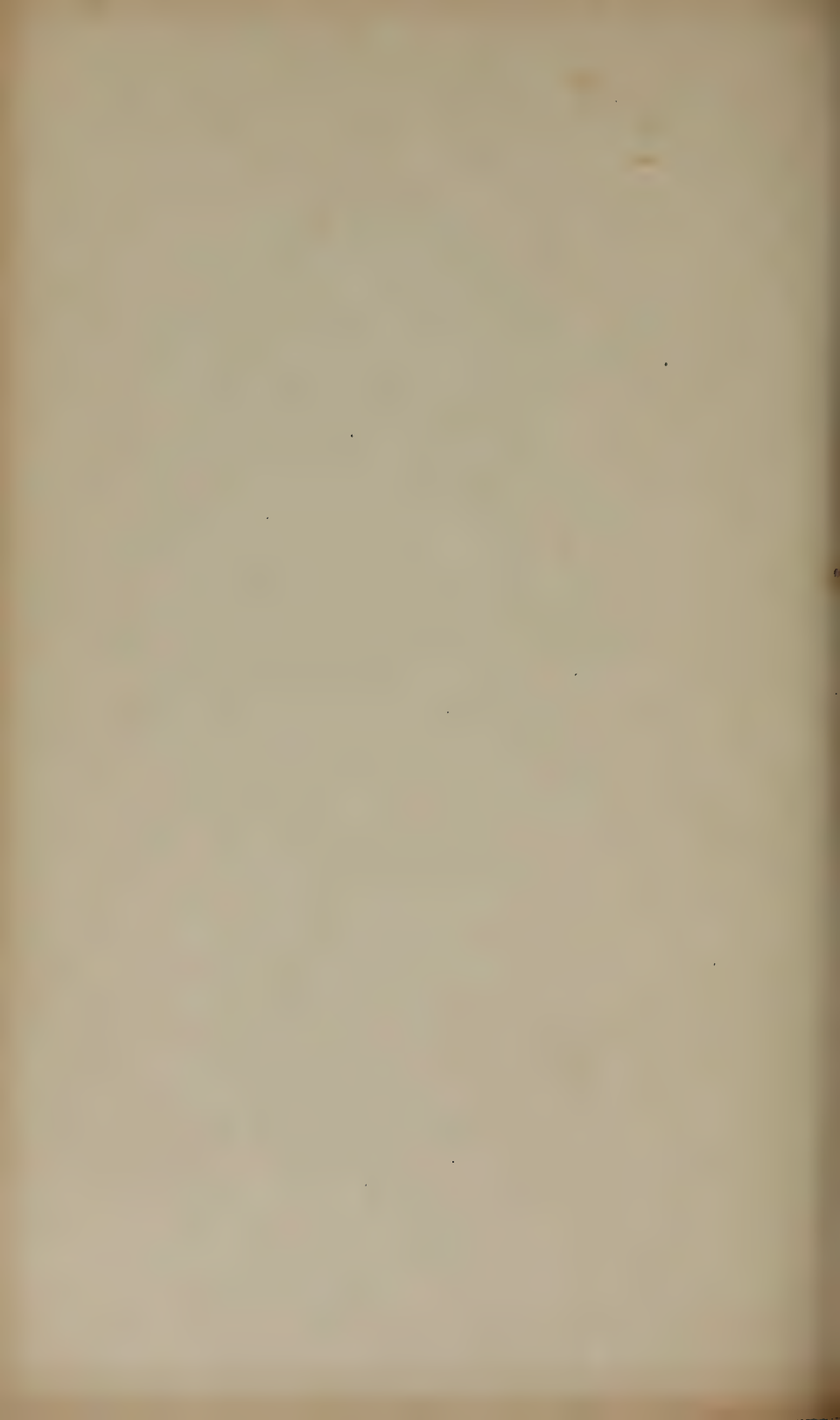
2. PARNUS

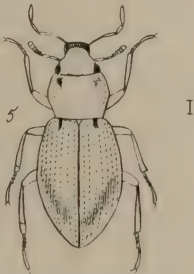
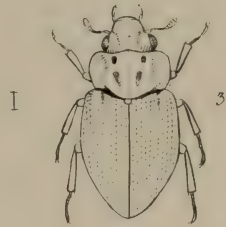
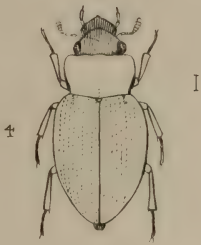
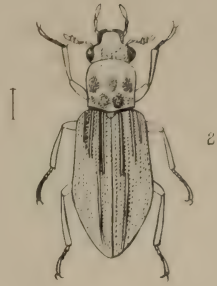
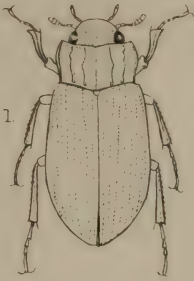
3. DRYOPS

4. ELMIS.

5. GEORYSSUS

6. SPERCHEUS.





1. HELOPHORUS.
2. HYDROCHUS.
3. ENICOCERUS.

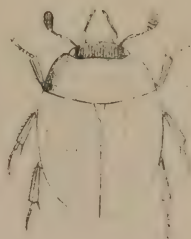
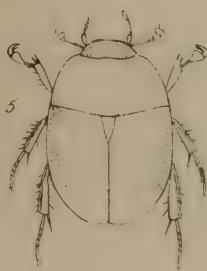
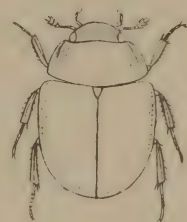
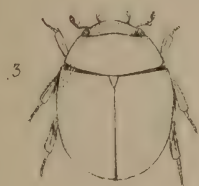
4. OCHTHEBIUS.
5. AMPHIBOLUS.
6. HYDRÆNA.



1 LIMNEBIUS
2 LACCOBIUS

3 Berosus
4 HYDROPHILUS

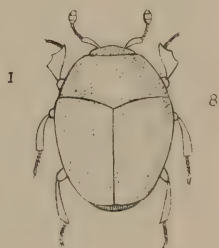
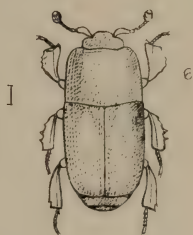
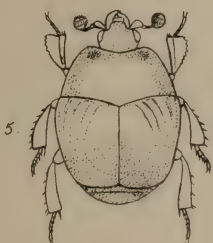
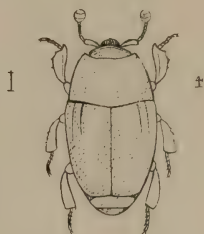
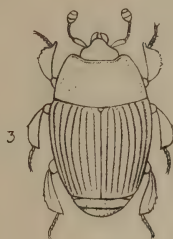
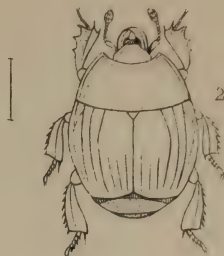
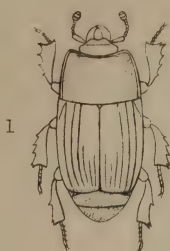
5 HYDROPHILUS



1. HYDROBIUS
2. PHILHYDRUS
3. CHÆTARTHRIA

4. CYCLONOTUM
5. SPHÆRIDIMUM
6. CERCYON





1 PLATYSOMA.

2 HISTER.

3 DENDROPHILUS

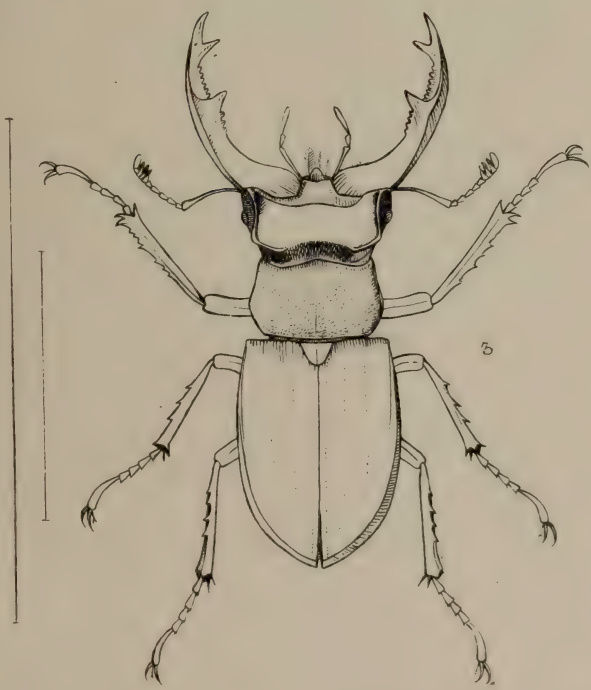
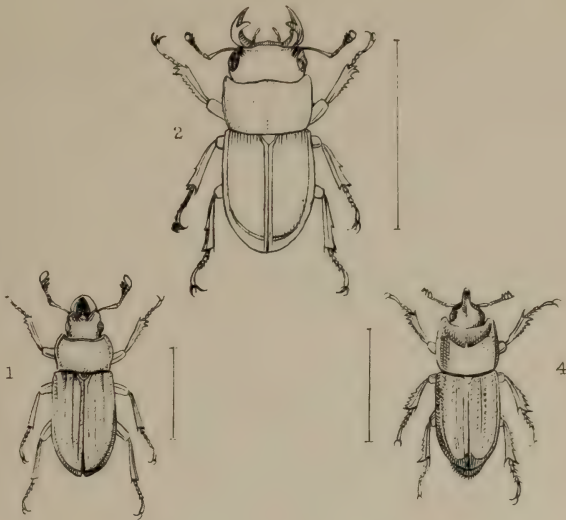
4 PAROMALUS.

5 SAPRINUS.

6 TERETRIUS.

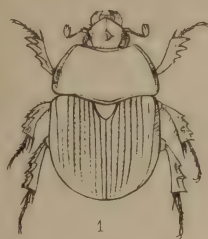
7 ONTHOPHILUS

8 ABREUS

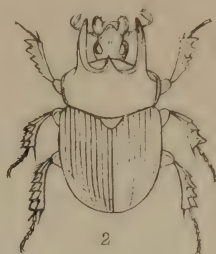


1 PLATYCERUS.
2 DORCUS

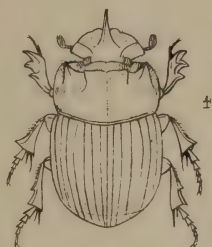
3 LUCANUS.
4 SINODENDRON.



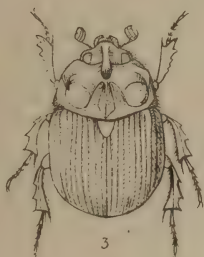
1



2



4



3



5



6

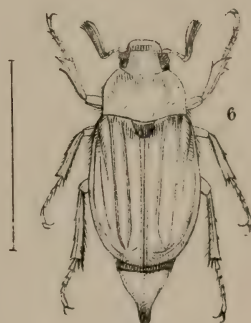
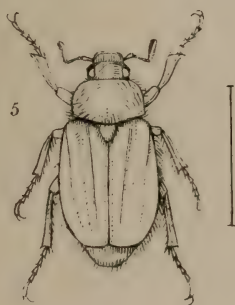
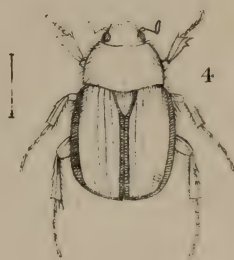
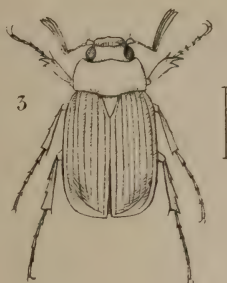
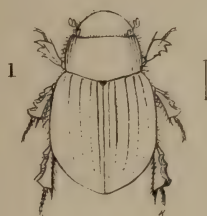


7

1. GEOTRUPES.
2. TYPHÆUS
3. BOLBOCERUS

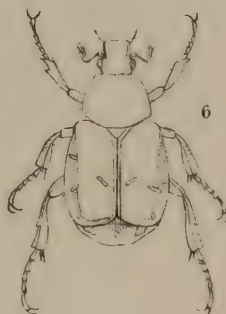
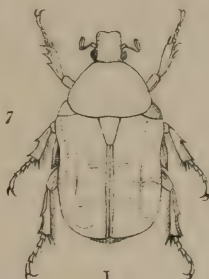
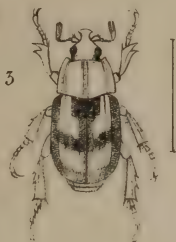
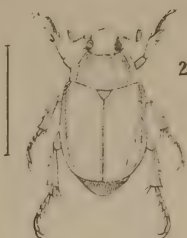
4. COPRIS.
5. ONTHOPHAGUS
6. APHODIUS.

7. PSAMMODIUS.



1. ÆCIALIA.
2. TROX.
3. SERICA.

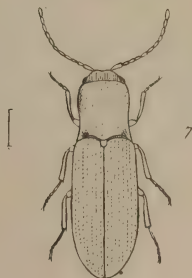
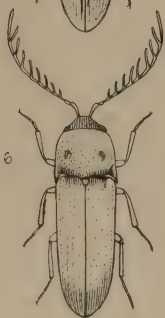
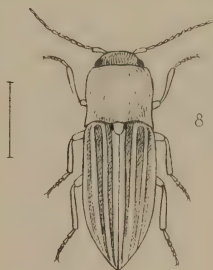
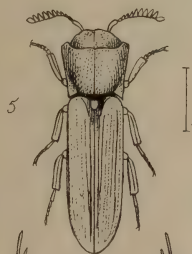
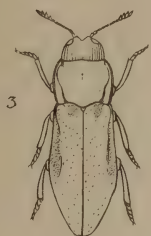
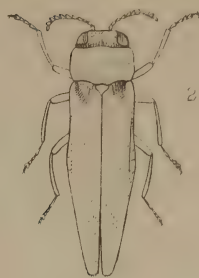
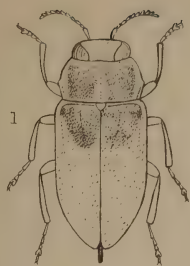
4. OMALOPLIA.
5. RHISOTROCUS.
6. MELOLONTHA.



1. PHYLLOPERTHA.
2. ANOMALA.
3. ANISOPLIA.

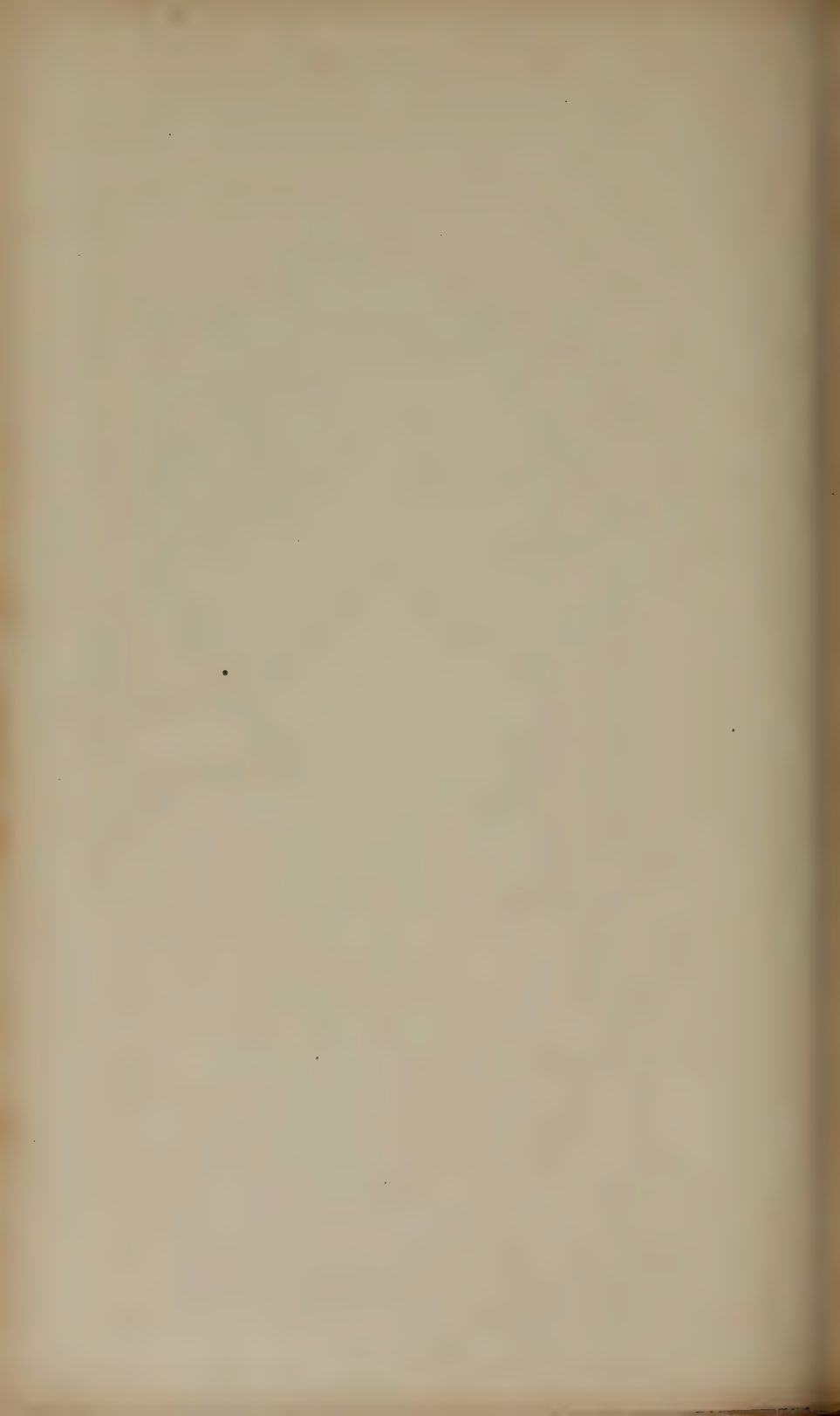
4. HOPLIA.
5. TRICHIUS.
6. GNORIMUS.

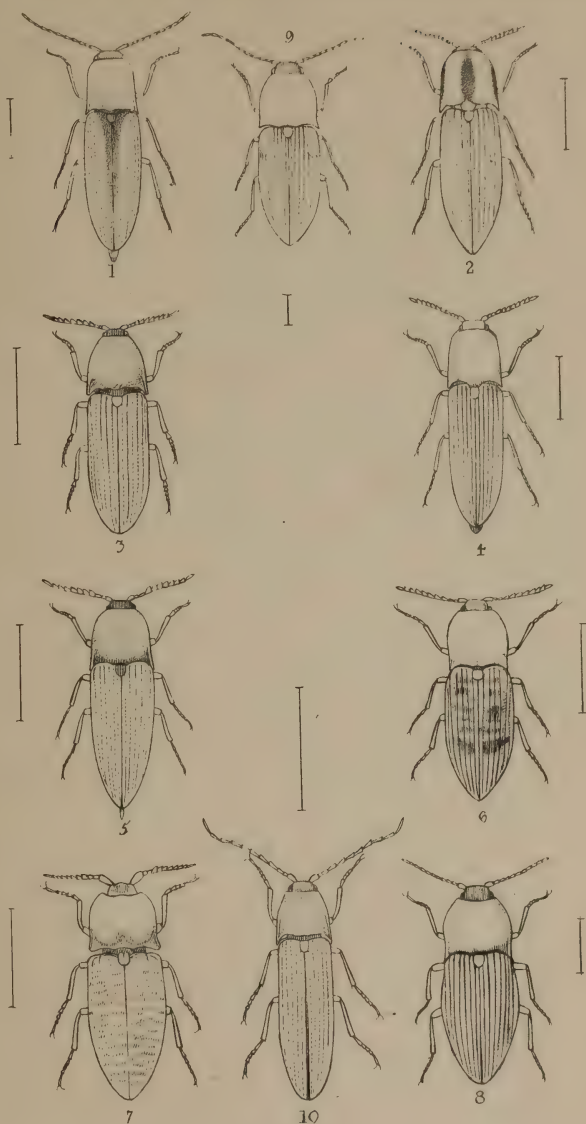
7. GETONIA.



1. ANTHAXIA.
2. AGRILUS.
3. APHANISTICUS.
4. TRACHYS.

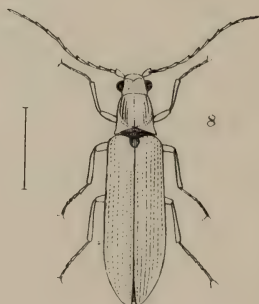
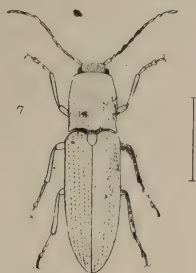
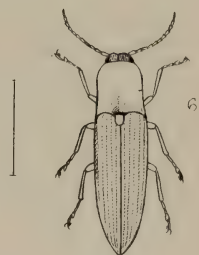
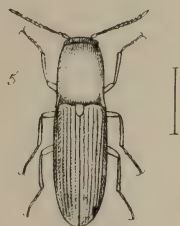
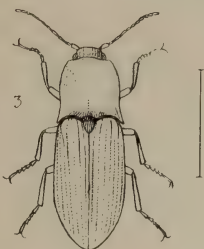
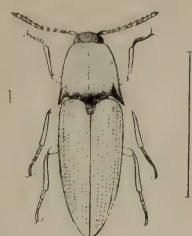
5. MELASIS.
6. MICRORHAGUS.
7. ADRASTUS.
8. AGRIOTES.





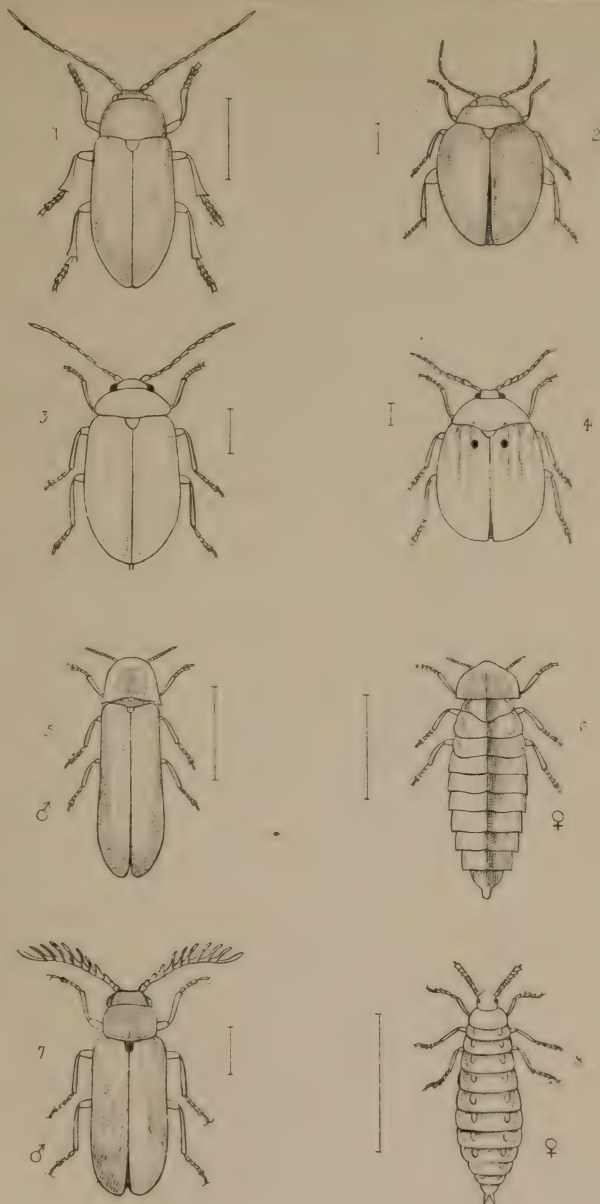
1. DOLOPIUS.
2. SERICOSOMUS.
3. ECTINUS.
4. LIMONIUS.
5. ELATER.

6. PROSTERNON.
7. ACRYPNUS.
8. HYPOLITHUS.
9. CRYPTOHYPNUS.
10. MELANOTUS.



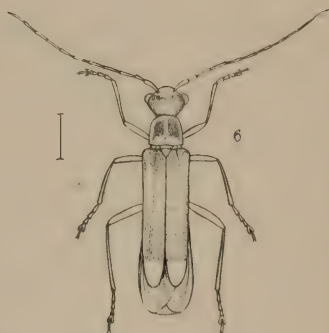
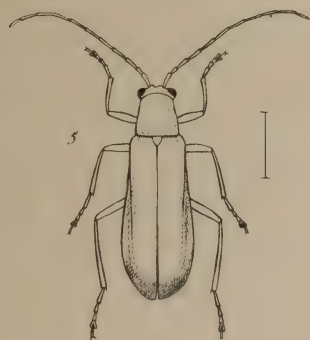
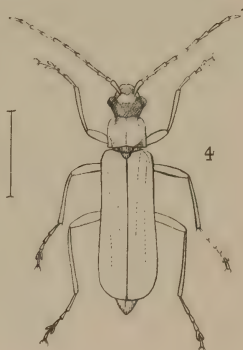
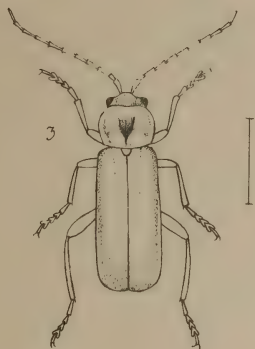
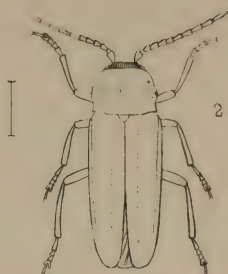
1. LUDIUS.
2. CTENICERUS
3. SELATOSOMUS.
4. CARDIOPHORUS

5. APLOTARSUS.
6. CTENONYCHUS.
7. ATHOUS.
8. CAMPYLUS.



1. ATOPA.
2. SCIRTES.
3. CYPHON.
4. EUBRIA.

5. LAMPYRIS. ♂
6. FEMALE. ♀
7. DRILUS. ♂
8. FEMALE. ♀



1. DICTYOPTERA.

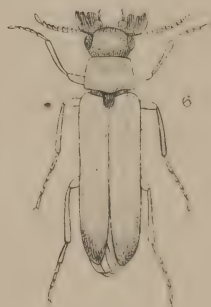
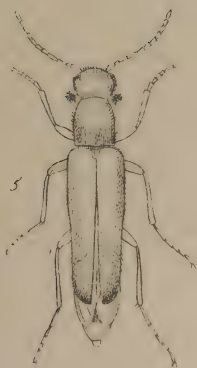
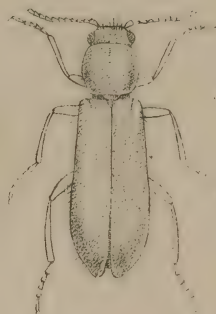
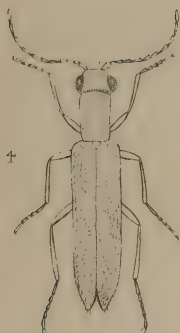
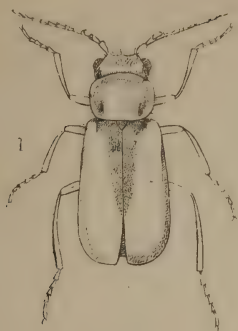
2. SILIS.

3. TELEPHORUS.

4. PODABRUS.

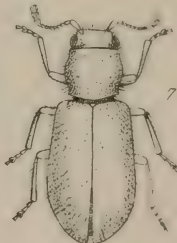
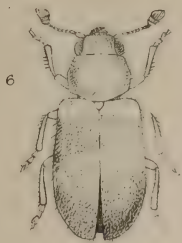
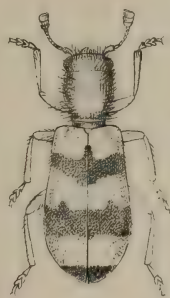
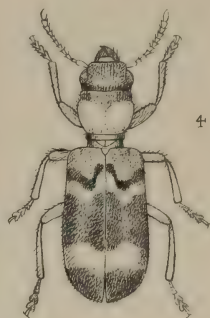
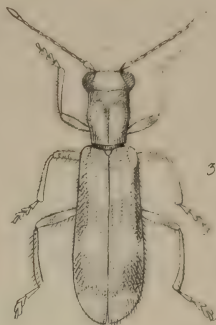
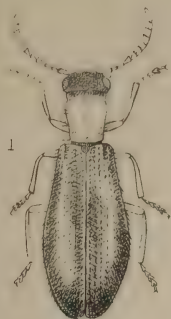
5. RAGONYCHA.

6. MALTHINUS.



1. MALACHIUS.
2. APLOCNEMUS.
3. DASYTES.

4. DOLICHOSOMA.
5. LYMEXYLON.
6. HYLECÆTUS.



1. TILLUS.

2. TILLOIDEA.

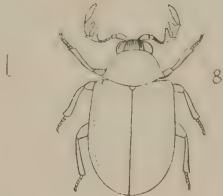
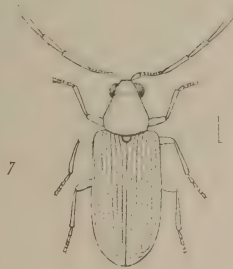
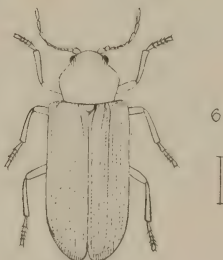
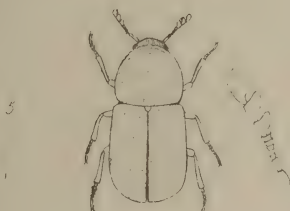
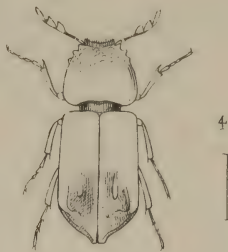
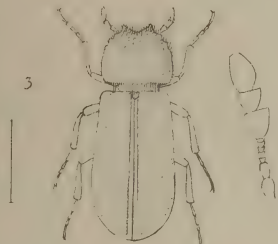
3. OPILUS.

4. THANASIMUS

5. CLERUS.

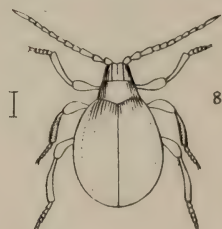
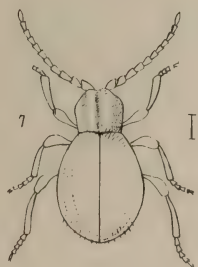
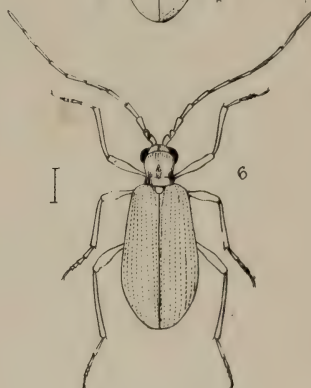
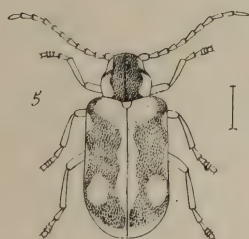
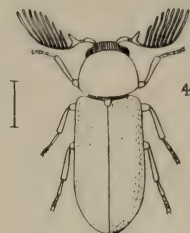
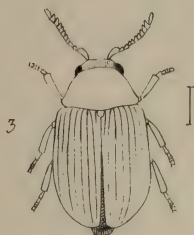
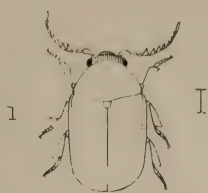
6. NECROBIA

7. CORYNETES.



1. SPHINDUS .
2. CIS.
3. BOSTRICHUS
4. APATE.

5. DINODERUS.
6. ANOBIMUM.
7. DRYOPHILUS.
8. DORCATOMA.



1. LASIODERMA.

2. OCHINA.

3. XYLETINUS.

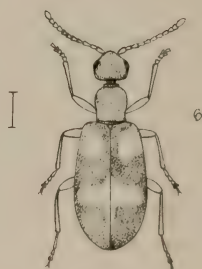
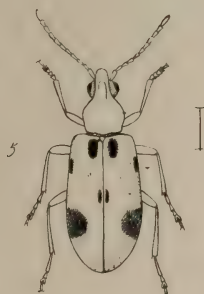
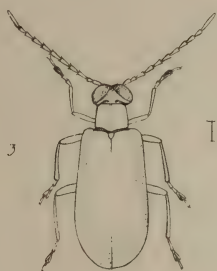
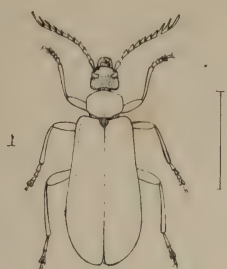
4. PTILINUS.

5. HEDOBIA.

6. PTINUS.

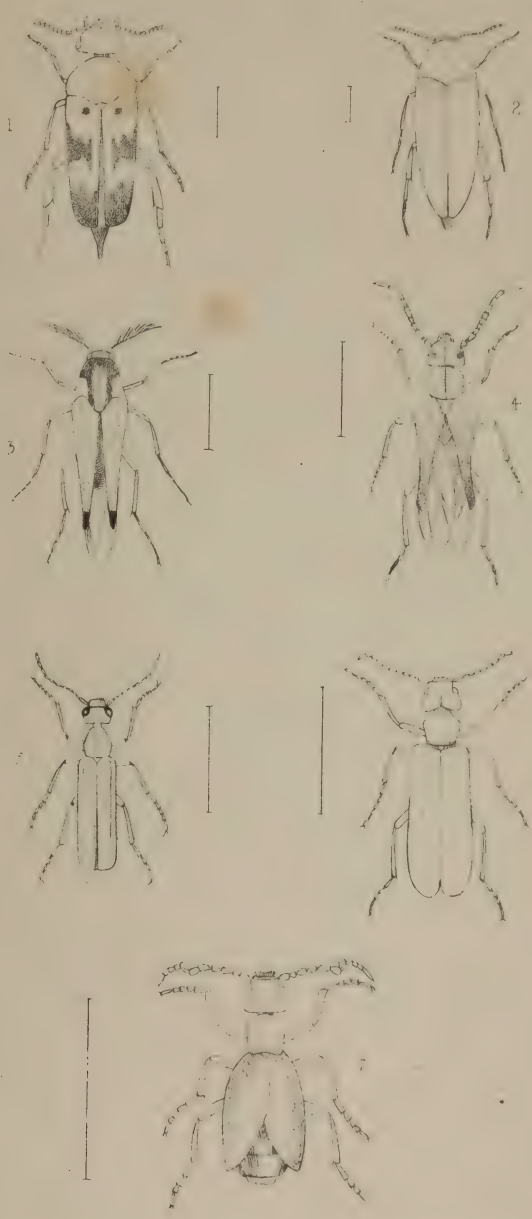
7. MEZIUS.

8. GIBBIUM.

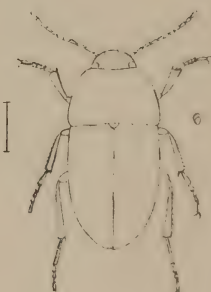
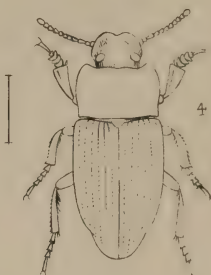
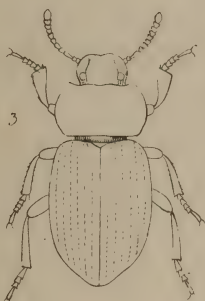
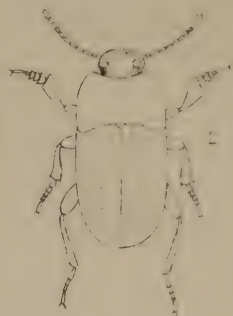
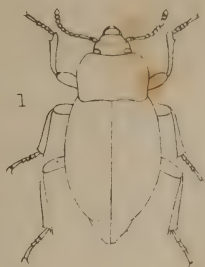


1. PYROCHROA.
2. LAGRIA.
3. XYLOPHILUS.

4. ADERUS.
5. NOTOXUS
6. ANTHICUS

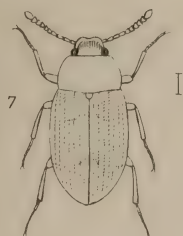
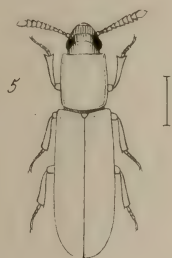
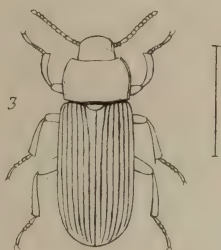
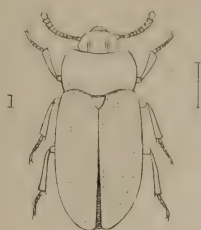


1 MORDELLA	4 SITARIS
2 ANASPIS	5 SYBARIS
3 RHIPIPHORUS	6 CANTHARIS
7 MELOE	



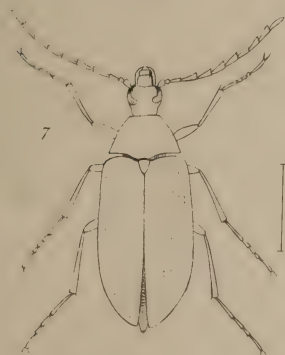
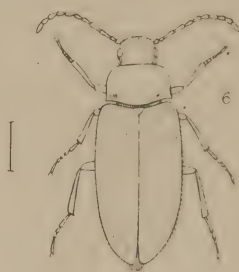
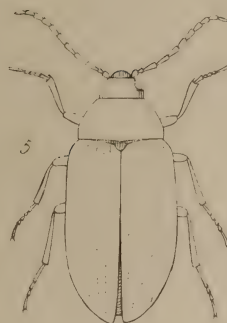
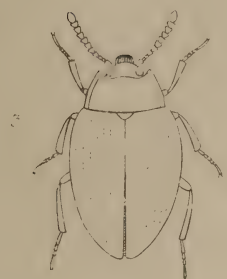
1. BLAPS
2. PEDINUS.
3. HELIOPHILUS.

4. PHYLAN.
5. OPATRUM,
6. CRYPTICUS.



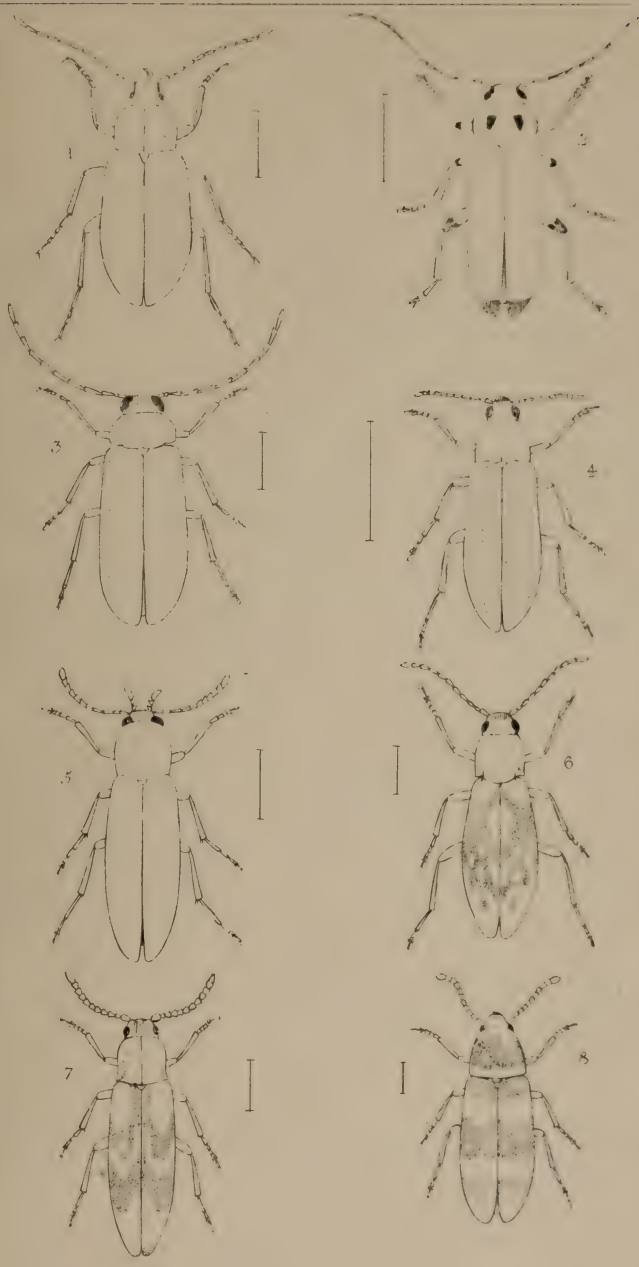
1. ALPHITOBIVS.
2. ULOMA.
3. TENEBRIO.
4. STENE.

5. HYPOPHLEVS.
6. BOLITOPHAGVS.
7. ALPHITOPHAGVS.
8. SARROTRIUM.



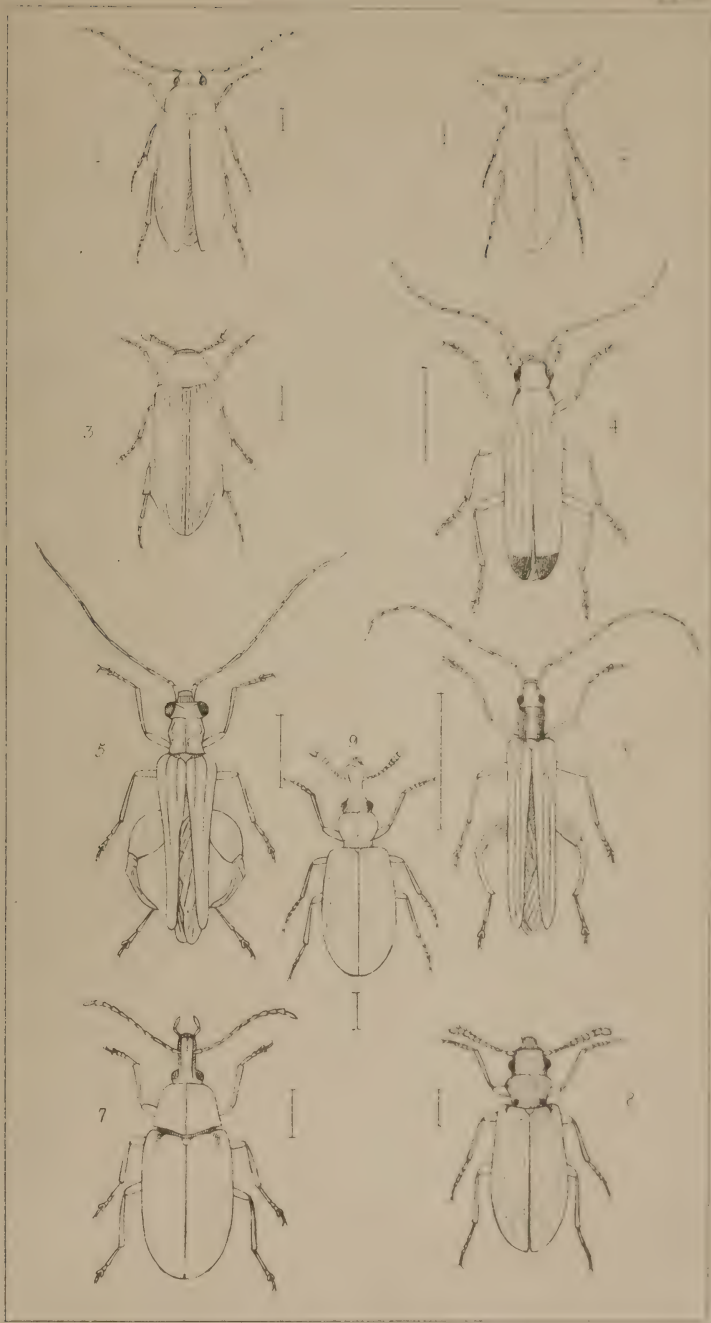
1. PALERIA.
2. DIAPERIS.
3. PLATYDEMA.
4. HELOPS.

5. ERYX
6. MYCETOCHARIS.
7. CISTELA.
8. OMOPHLUS.

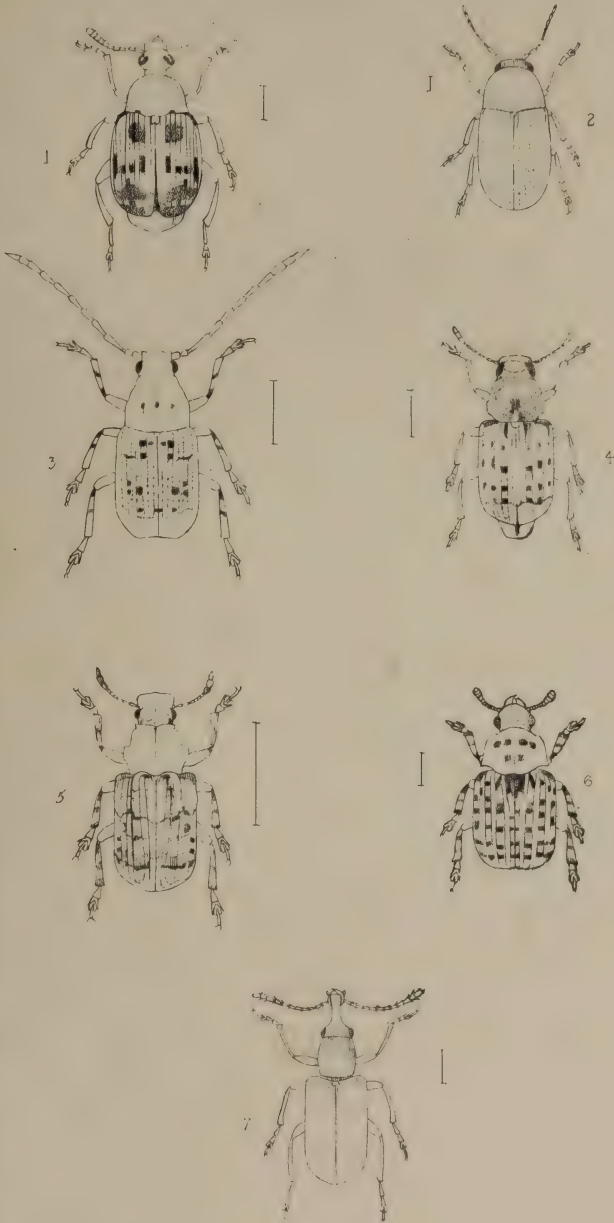


- 1. CTENIOPUS.
- 2. NOTHUS.
- 3. CONOPALPUS.
- 4. MELANDRYA.

- 5. PHLOIOTRYA.
- 6. DIRCEA.
- 7. HYPULUS.
- 8. ABDERA.



- | | |
|----------------|-----------------|
| 1. SCRAPTIA. | 5. CEDEMERA. |
| 2. HALLOMENUS. | 6. ONCOMERA. |
| 3. ORCHESIA. | 7. MYCTERUS. |
| 4. ISCHNOMERA. | 8. SPHÆRIESTES. |
| 9. SALPINGUS. | |



1. BRUCHUS.

2. CHORAGUS.

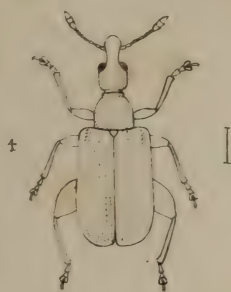
3. ANTHRIBUS.

4. TROPIDERES.

5. PLATYRHINUS.

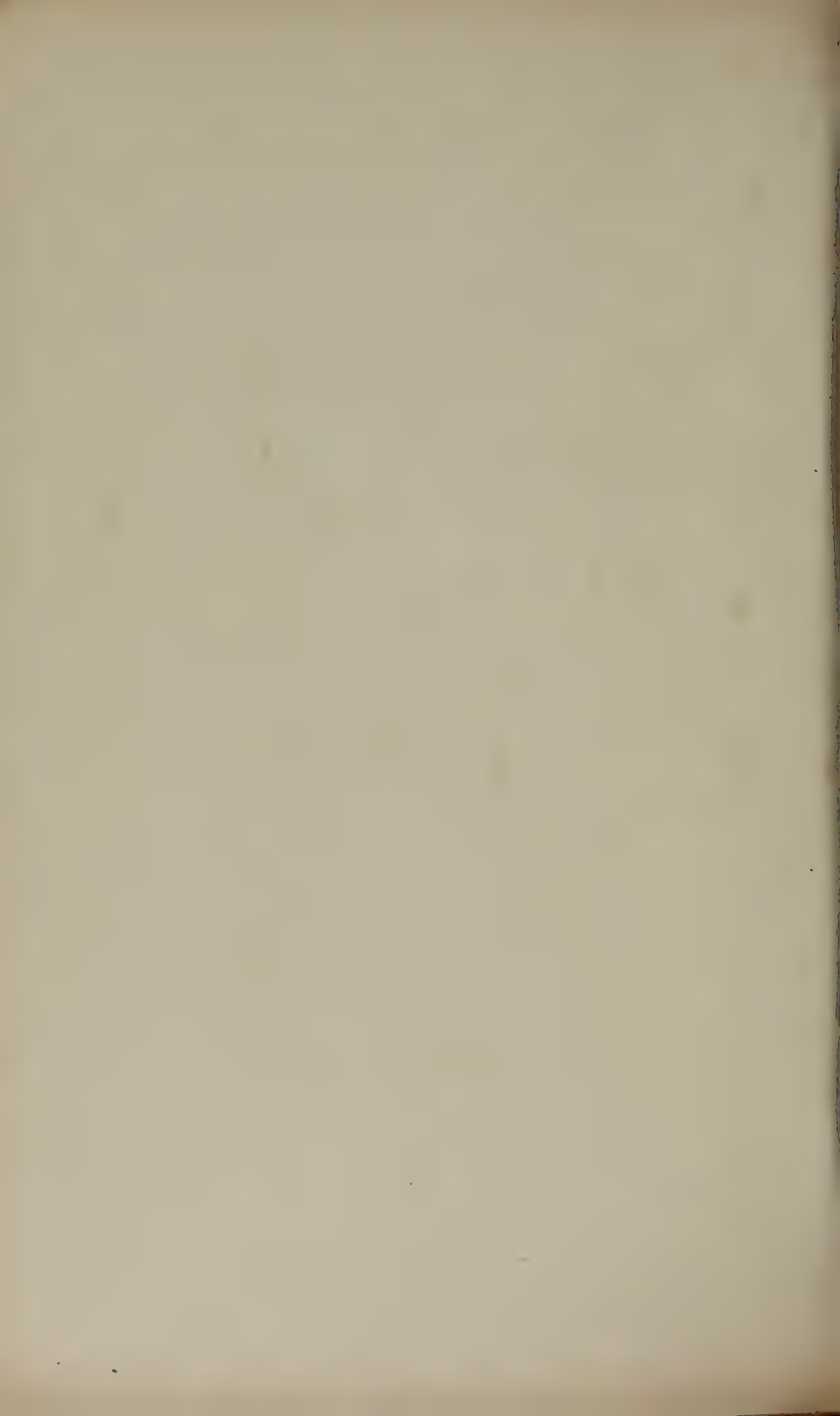
6. BRACHYTARSUS.

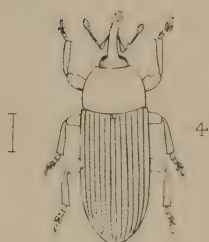
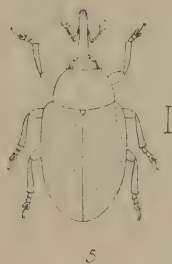
7. RHINOMACER



- 1 APODERUS.
- 2 ATTELABUS.
- 3 RHYNCHITES
- 4 DEPORAUS.

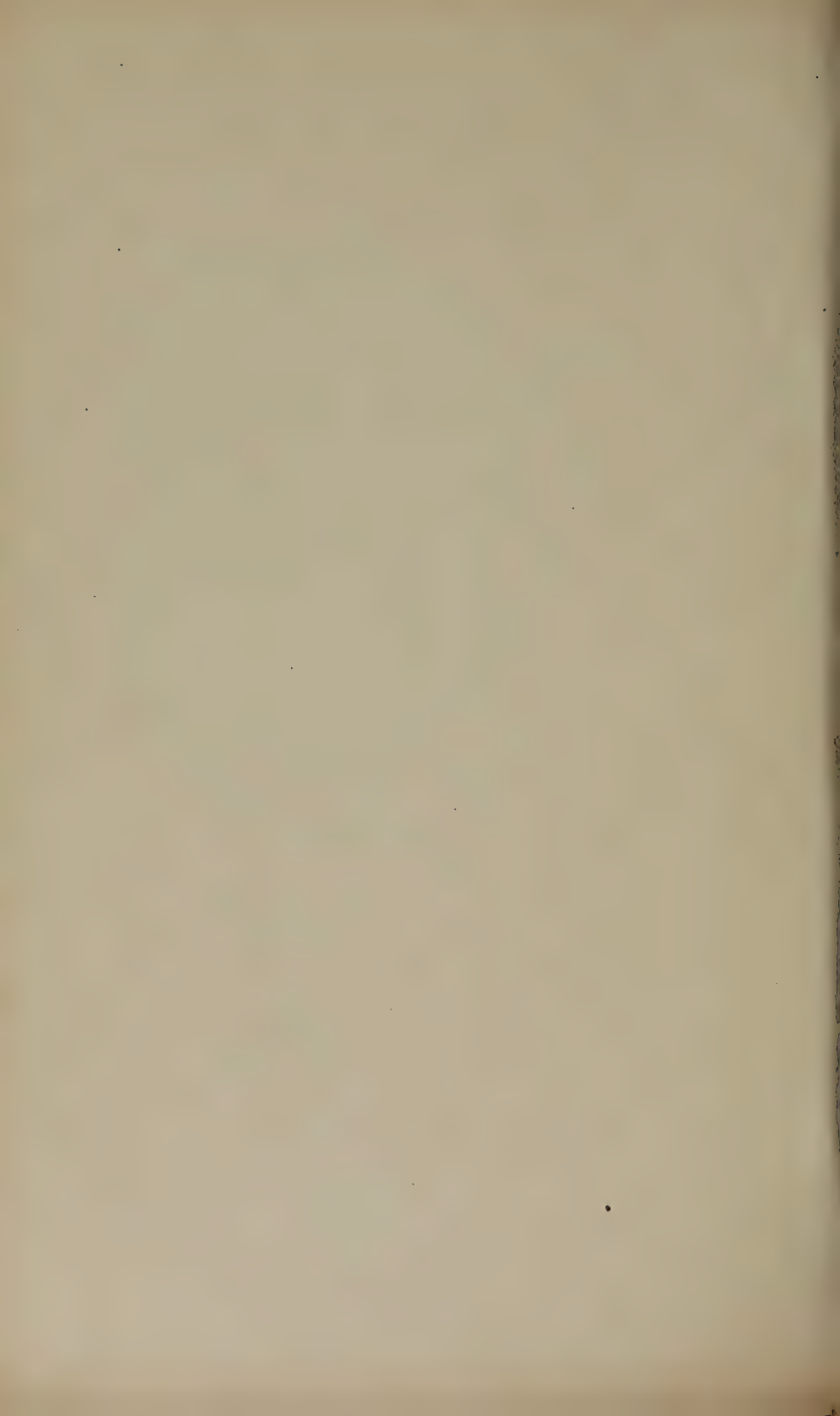
- 5 RAMPHUS
6. OXYSTOMA
7. APION.
8. COSSONUS.

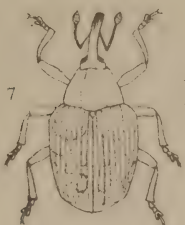
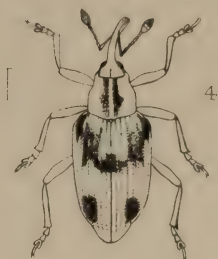




1. RHYNCOLUS.
2. CALANDRA.

3. SPHÆRULA.
4. MECINUS.
5. GYMAETRON.





1. CIONUS.

2. OROBITIS.

3. RUTIDOSOMA.

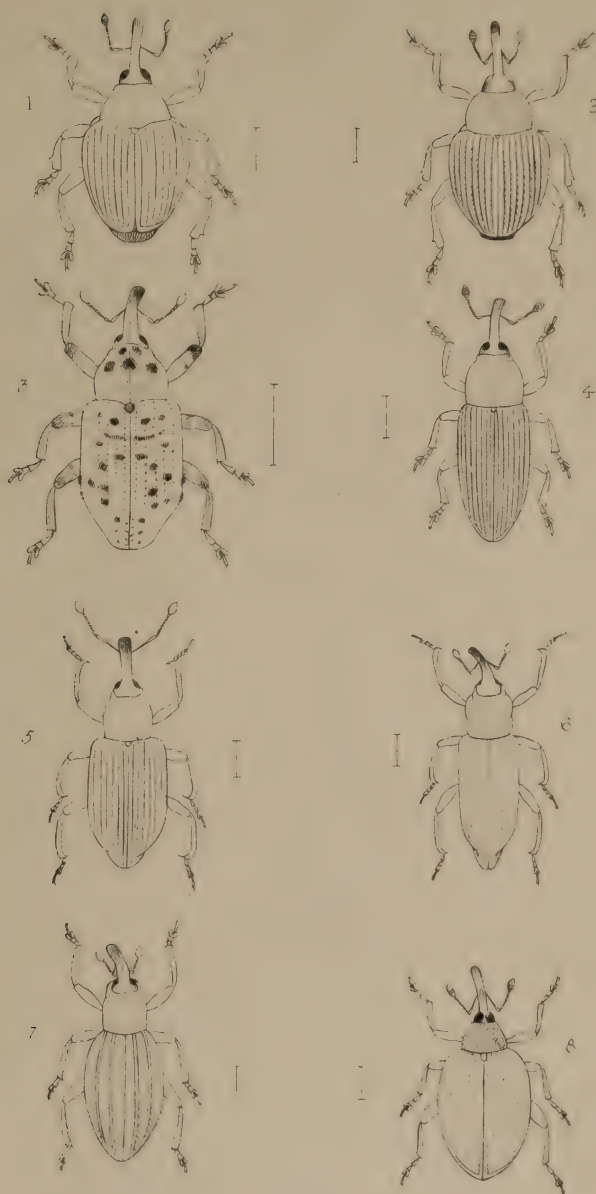
4. POOPHAGUS.

5. RHINONCHUS

6. NEDYUS.

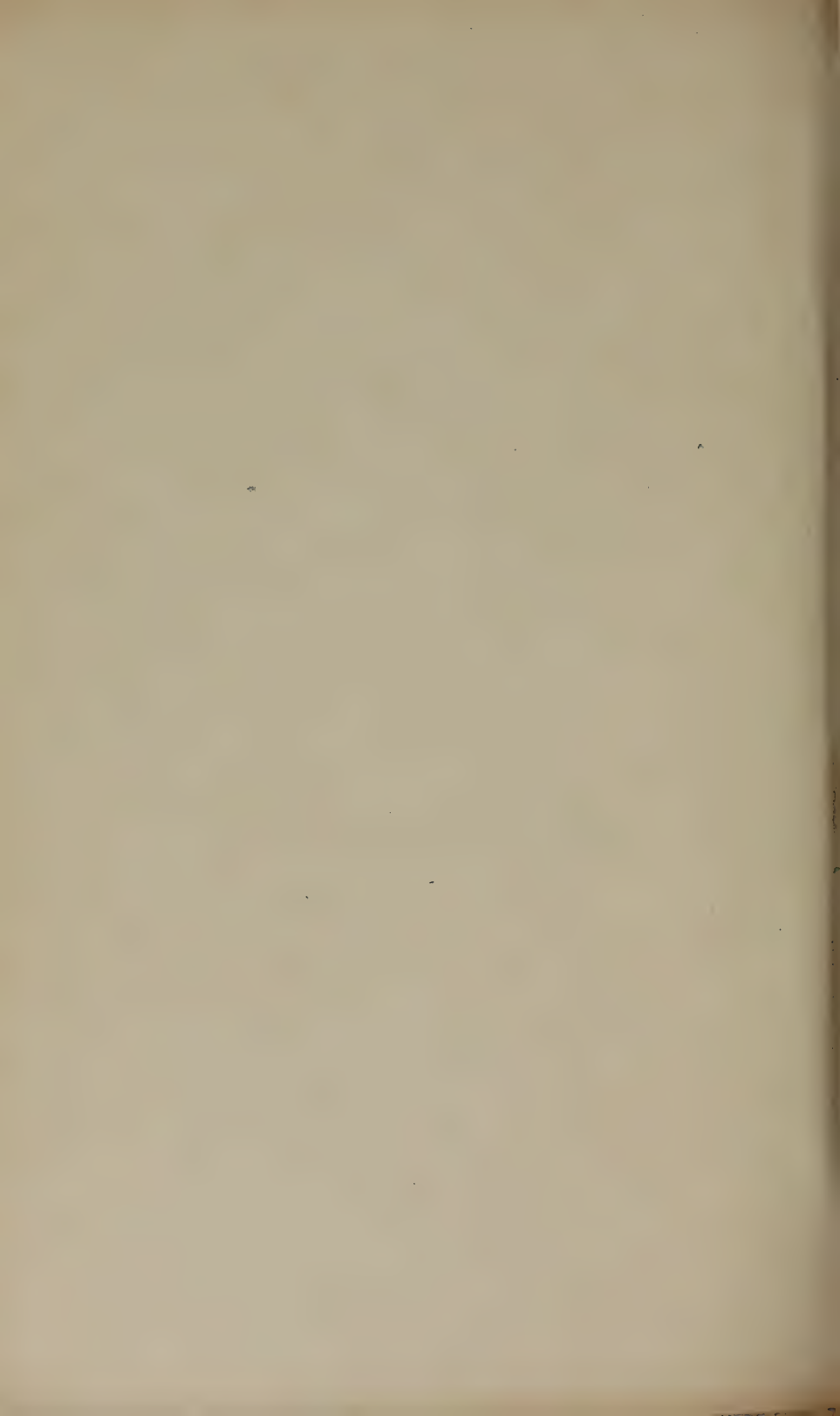
7. CEUTORHYNCHUS.

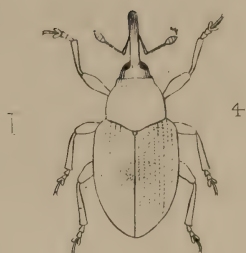
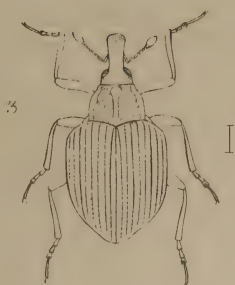
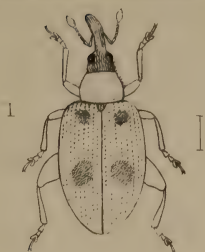
8. ACALLES.



- 1 MONONYCHUS
- 2 CÆLIODES
- 3 CRYPTORHYNCHUS.
- 4 BARIDIS.

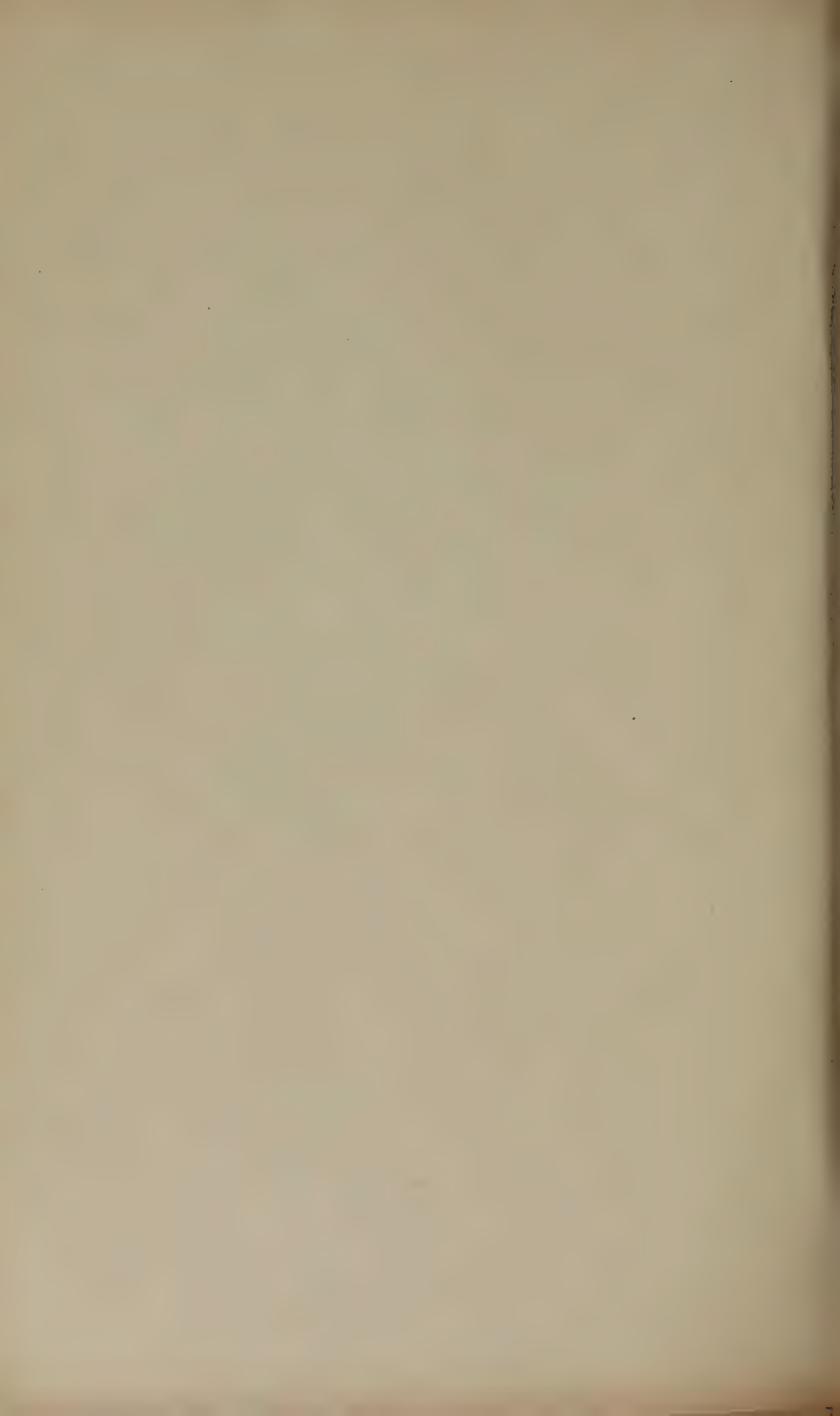
5. BAGOUS
- 6 LYPRUS
- 7 ORTHOCHÆTES.
- 8 TACHYERGES.

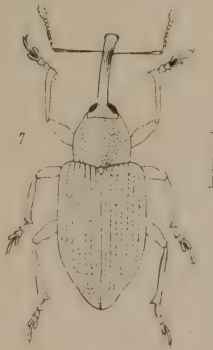
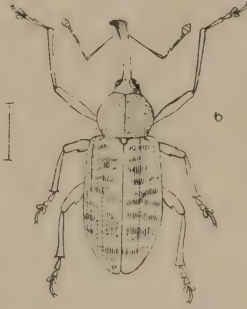
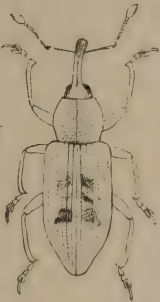
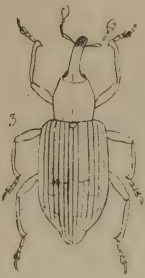




1. ORCHESTES.
2. ANOPLUS.
3. PACHYRHINUS.
4. SIBYNES.

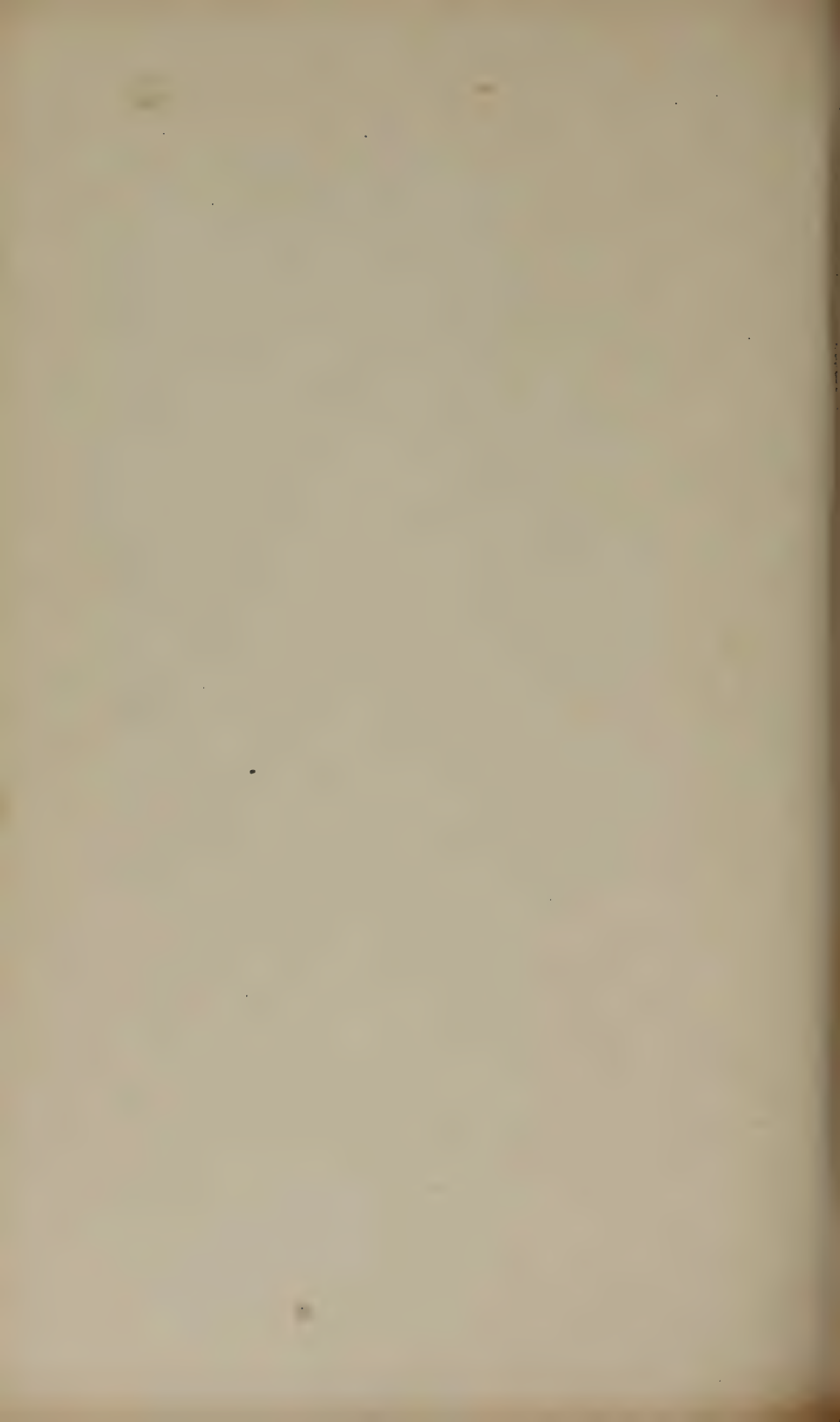
5. MICCOTROGUS.
6. TYCHIUS.
7. AMALUS.
8. BALANINUS.

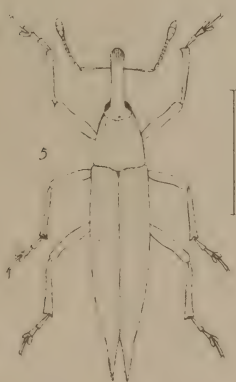
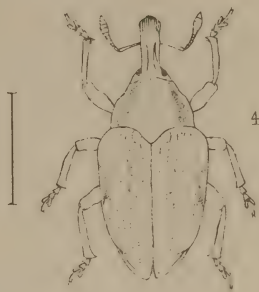
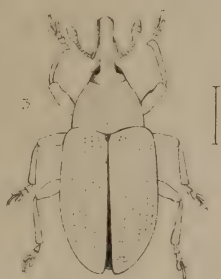
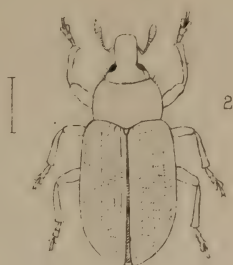
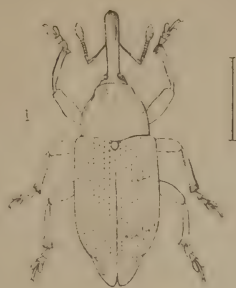




1. ANTHONOMUS.
2. ELLESCUS.
3. HYDRONOMUS
4. GRYPIDIUS.

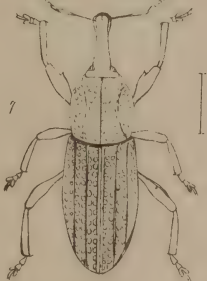
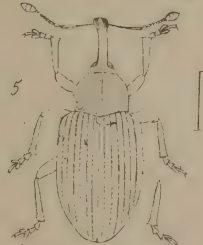
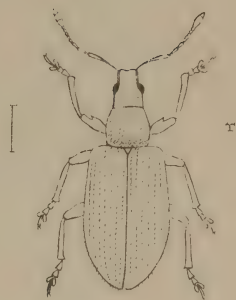
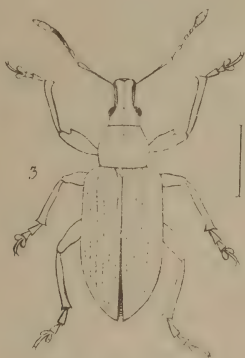
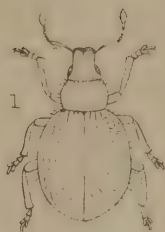
5. ERIRHINUS.
6. DOROTOMUS.
7. NOTARIS.
8. THAMNOPHILUS.





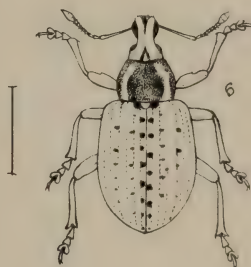
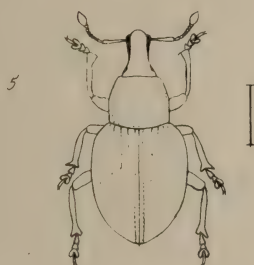
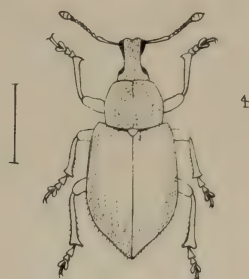
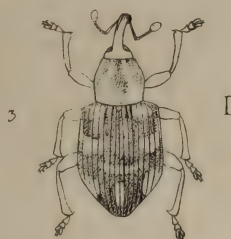
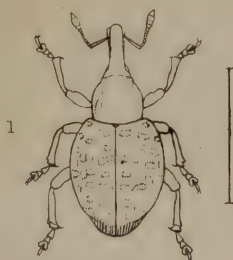
1 PISSODES.
2. RHINOCYLLUS.
3, RHINOBATUS

4. LARINUS.
5 LIXUS.
6 OTIORHYNCHUS.



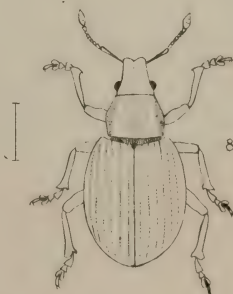
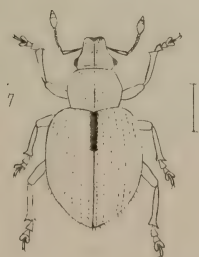
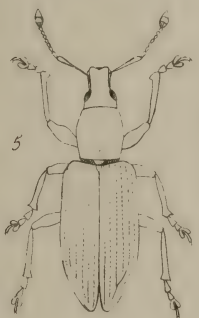
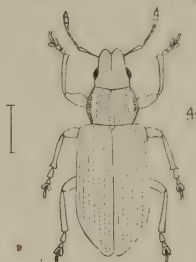
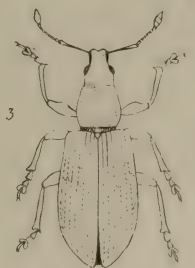
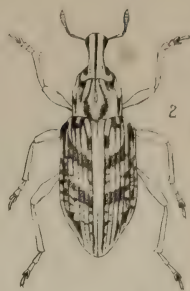
1. OMIAS.
2. TRACHYPHLEAS
3. PHYLLOBIUS.
4. NEMOICUS.

5. PROCAS.
6. PHYTONOMUS.
7. PLINTHUS.
8. LEIOSOMA.



- 1 MOLYTES.
2 HYLOBIUS.
3. TANYSPHYRUS.
4 MERIONUS.

5. BARYNOTUS.
6. LIOPHLÆUS.
7. ALOPHUS.
8. GRONOPS.



1. BOTHYNODERES.

2. CLEONUS.

3. POLYDRUSUS.

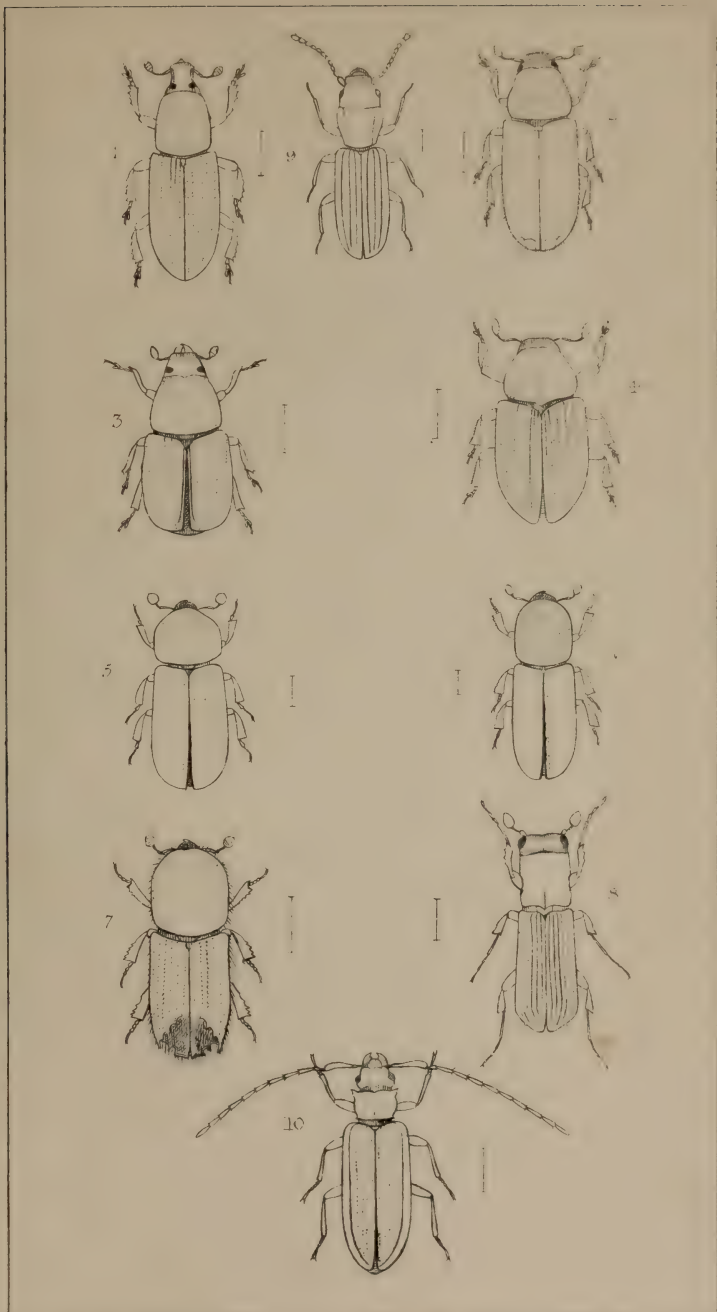
4. SITONA.

5. TANYMECUS.

6. SCIAPHILUS.

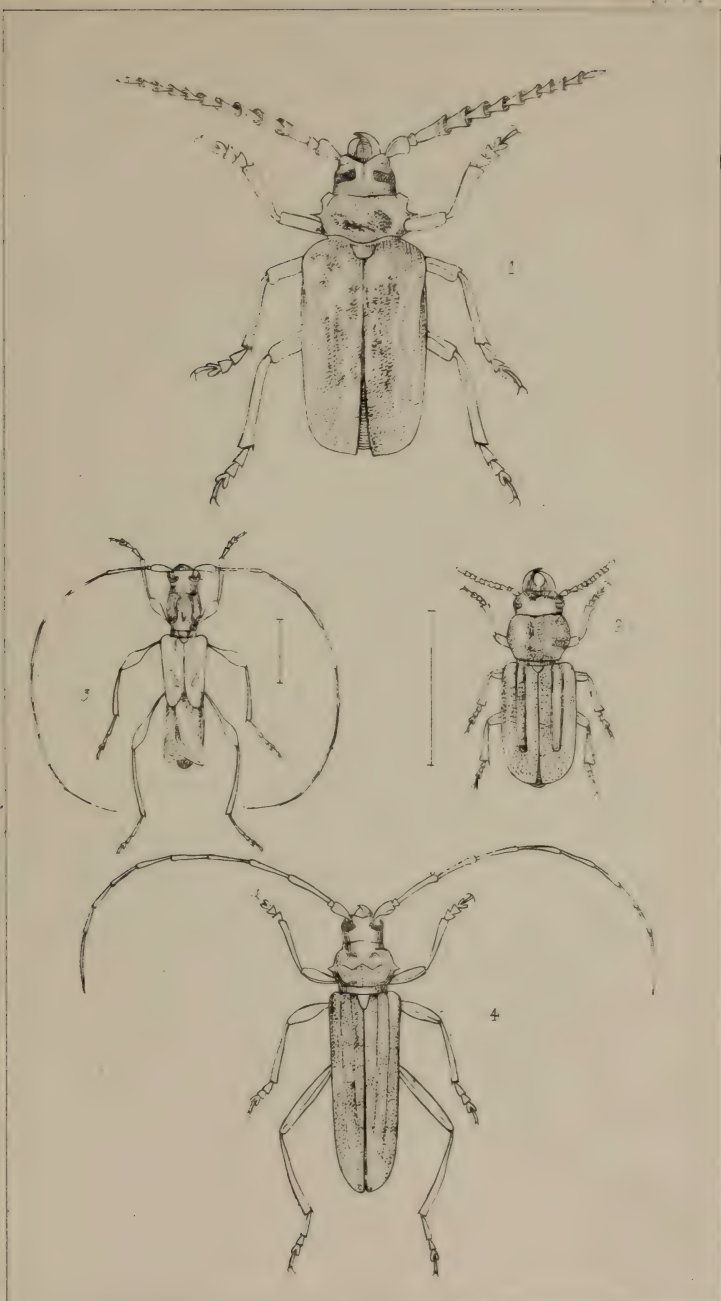
7. STROPHOSOMUS.

8. CNEORHINUS.



1. HYLASTES.
2. DENDROCTONUS.
3. SCOLYTUS.
4. HYLESINUS.
5. TRYPODENDRON.

6. POLYGRAPHUS.
7. TOMICUS.
8. PLATYPUS.
9. CUCUJUS.
10. ULEIOTA.

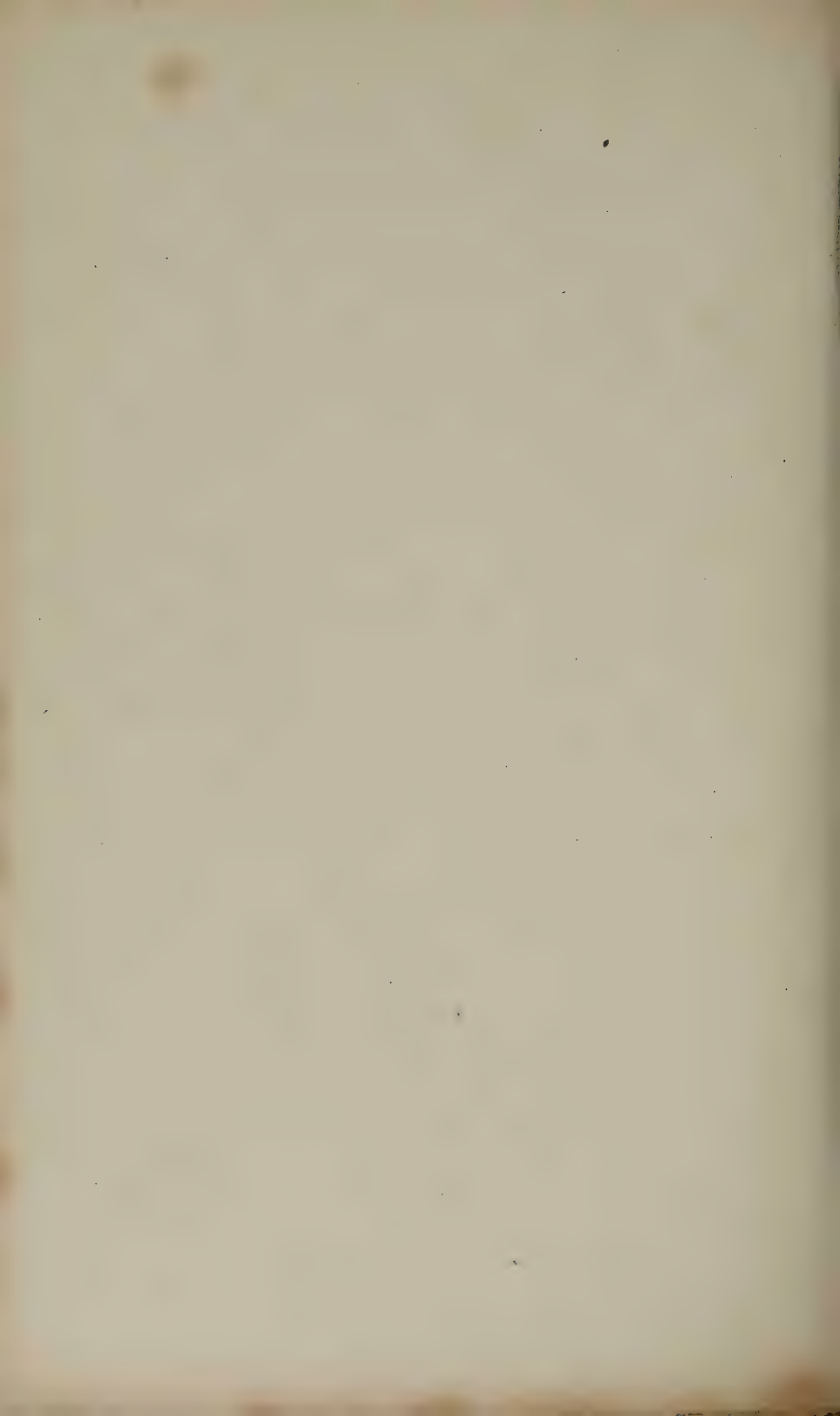


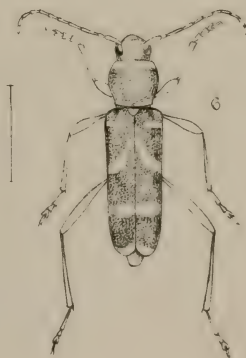
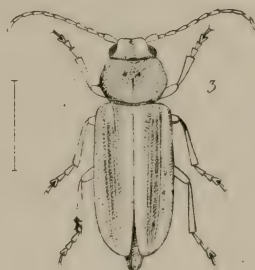
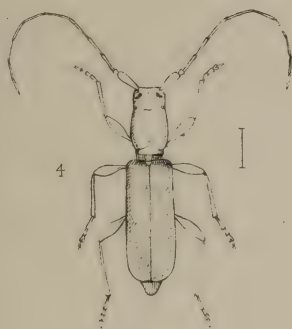
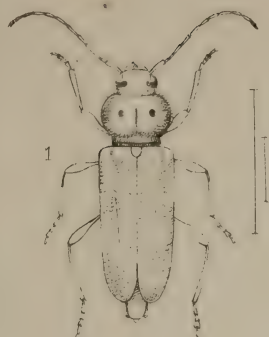
1. PRIONUS.

2. SPONDYLIS

3. NECYDALIS.

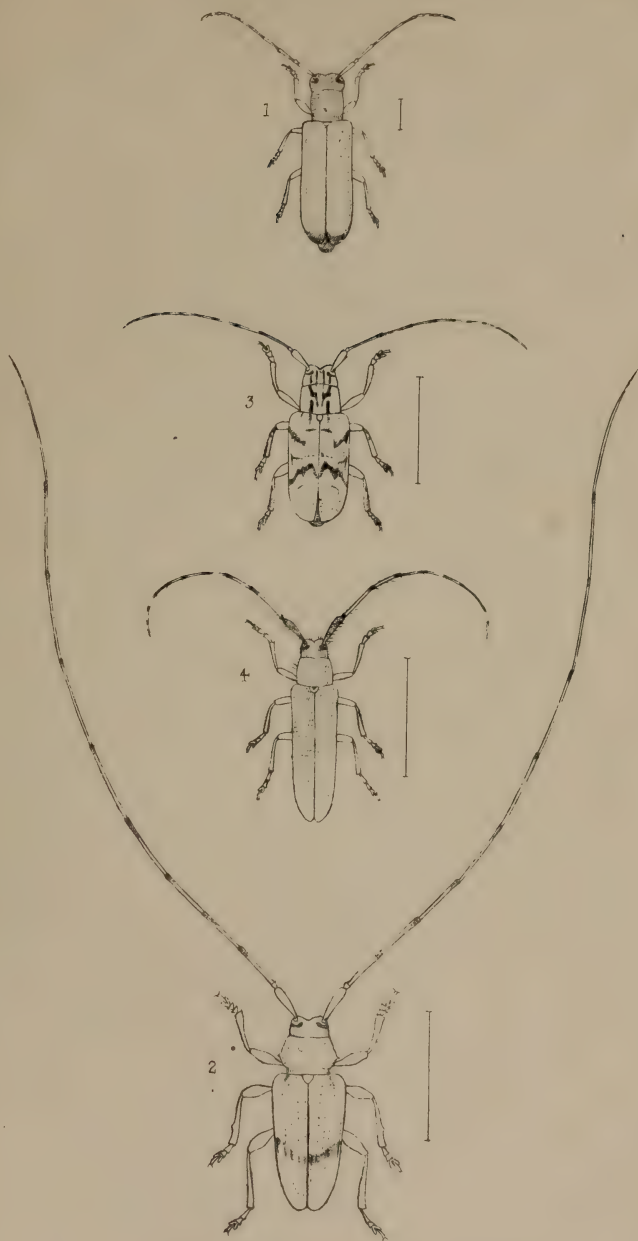
4. AROMIA.





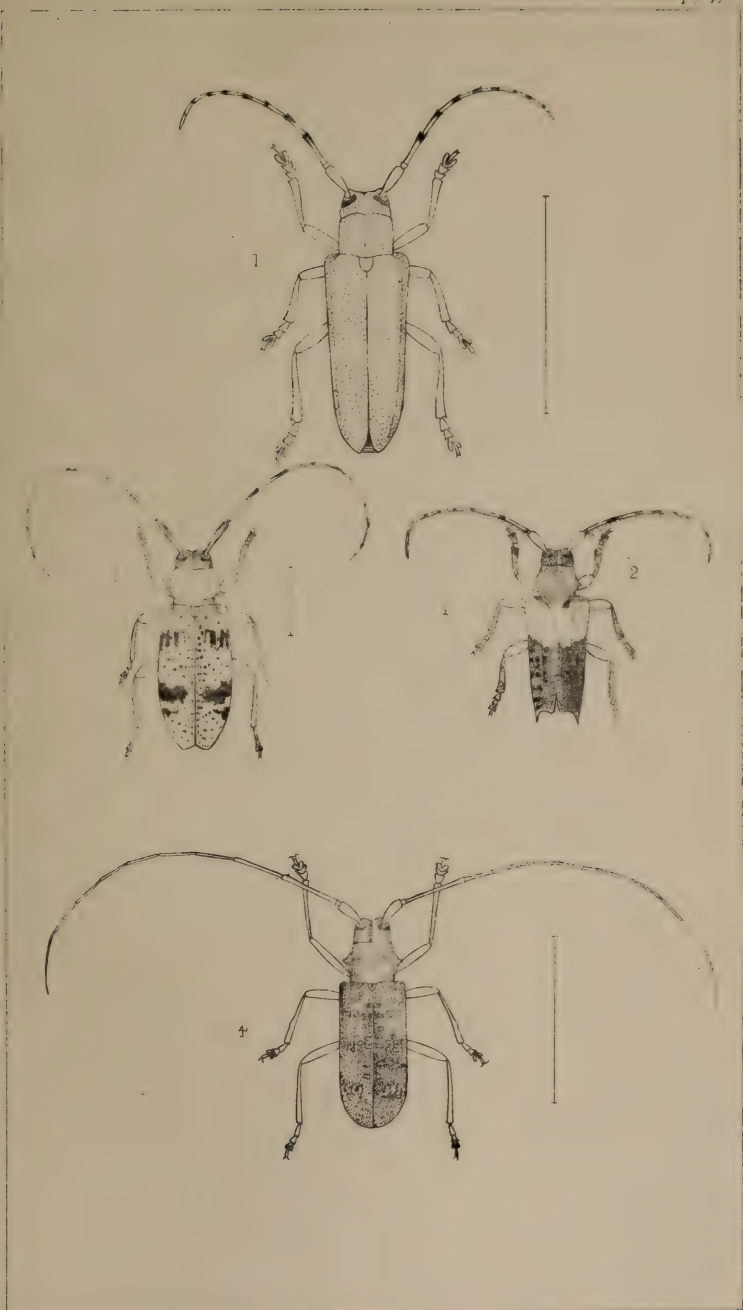
1. HYLOTRUPES.
2. CALLIDIUM.
3. ASEMUM.

4. GRACILIA
5. OBRIMUM.
6. CLYTUS.



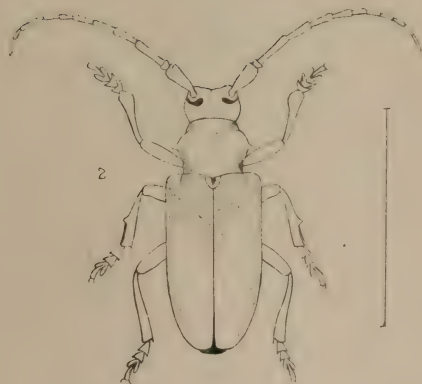
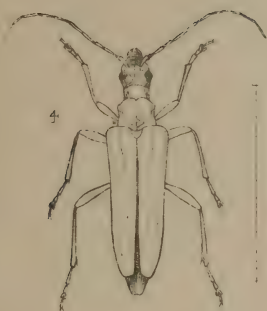
1. TETROPS
2. ACANTHOCINUS.

3. APHELOCNEMIA
4. ACAFANTHIA



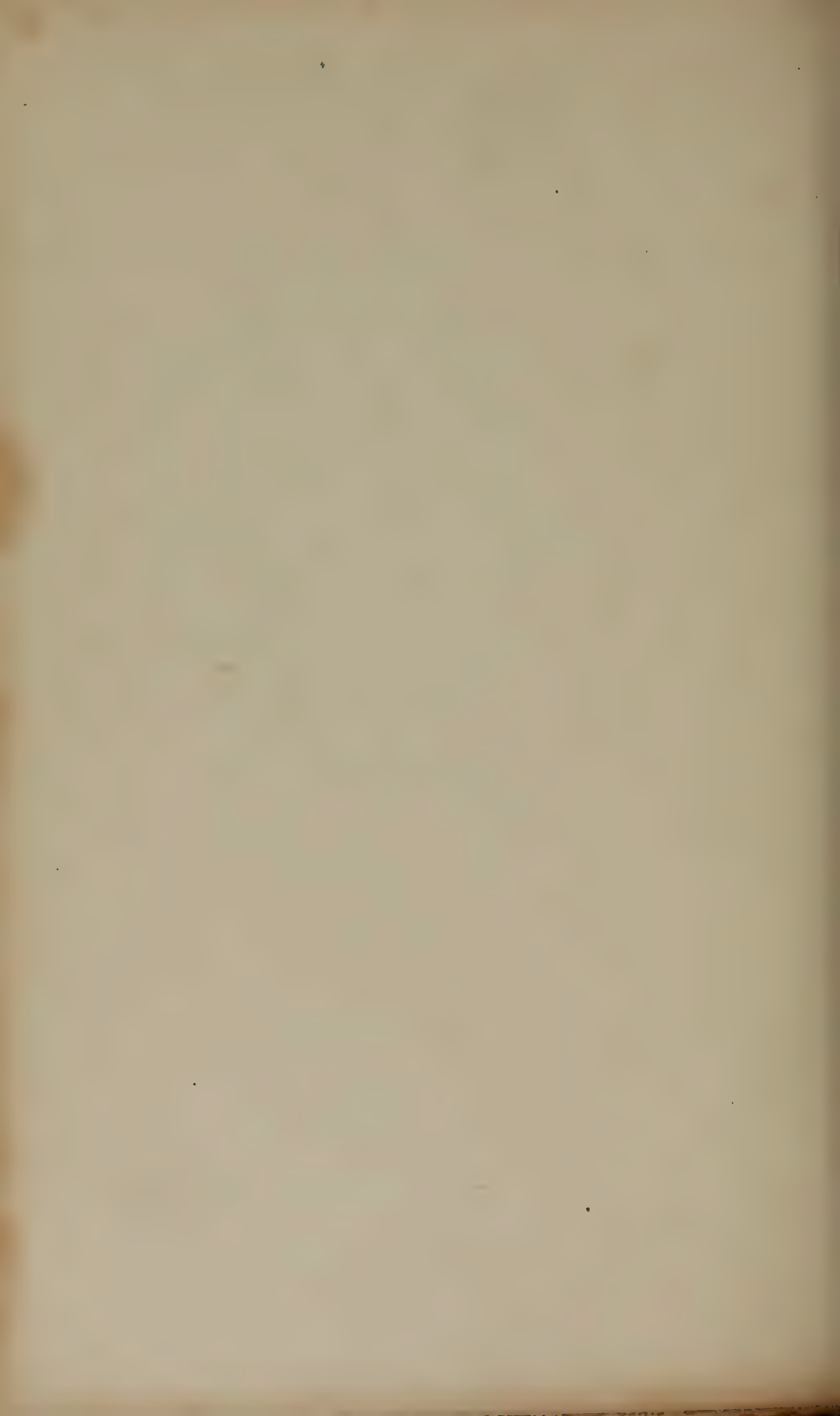
1. SAPERDA.
2. POGONOCERUS.

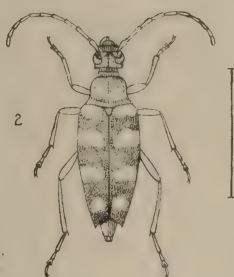
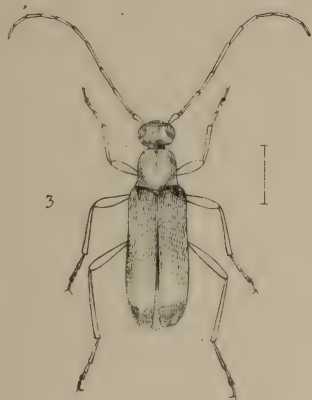
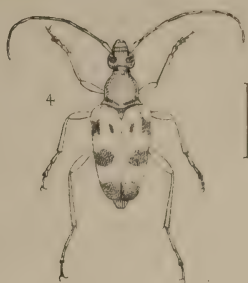
3. LEIOPUS.
4. MONOCHAMUS.



1. CERAMBYX.
2. LAMIA.

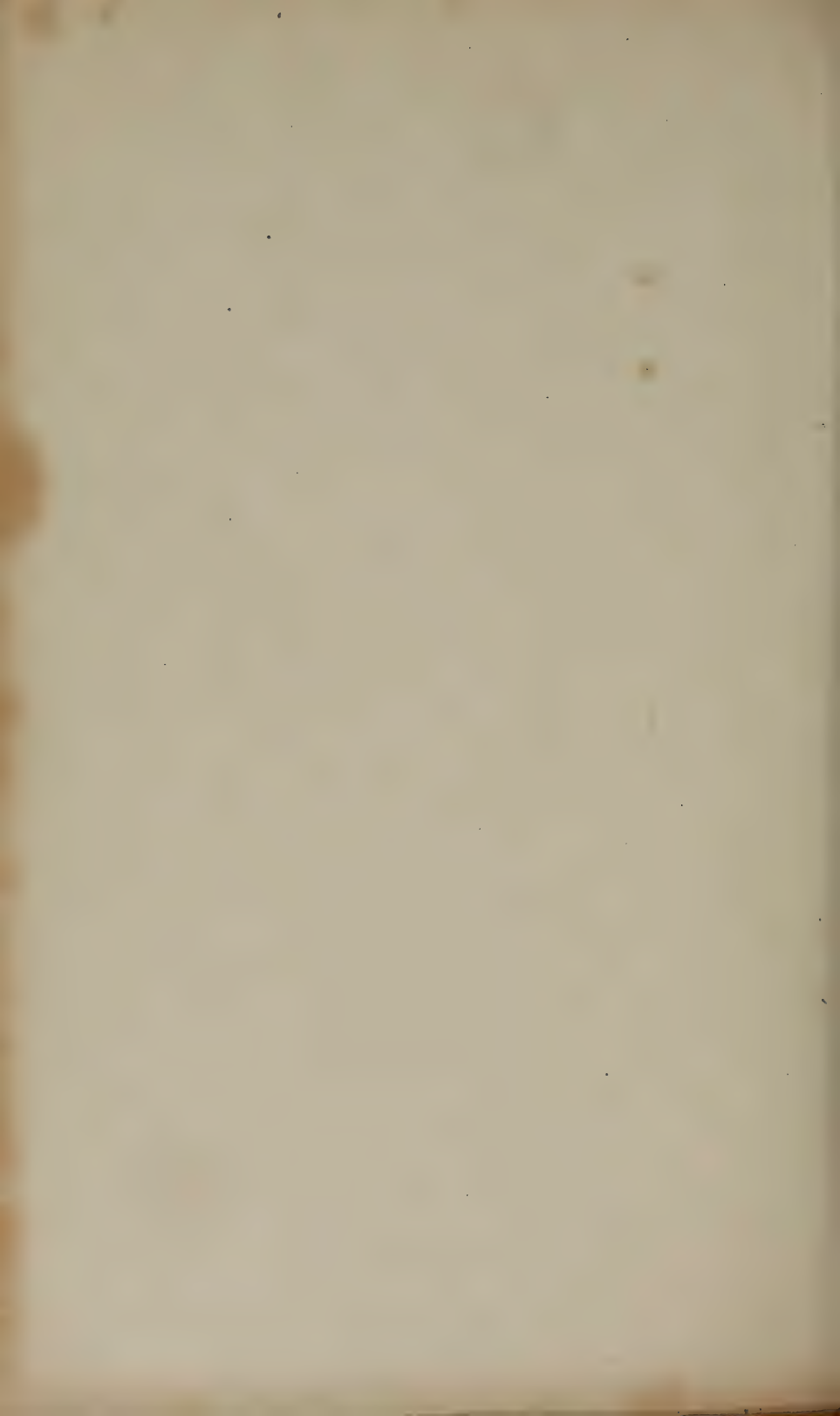
3. RHAGIUM.
4. TOXOTUS.

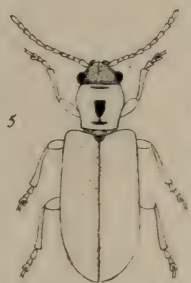
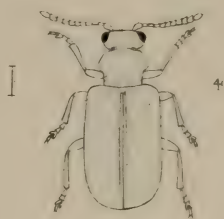
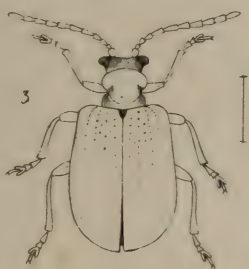
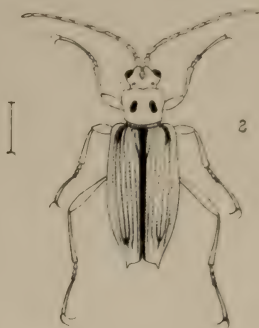
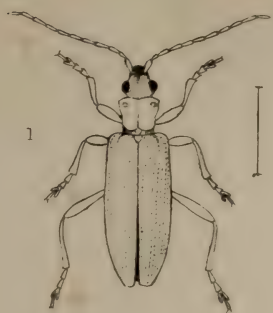




1. STRANGALIA.
2. LEPTURA.

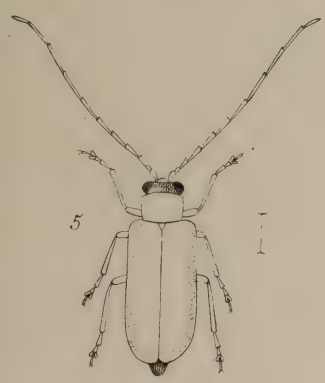
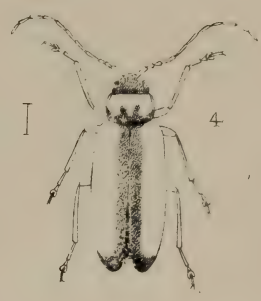
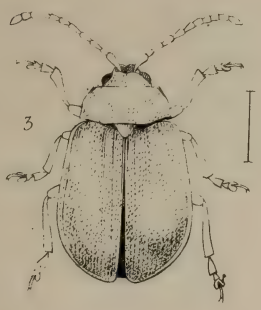
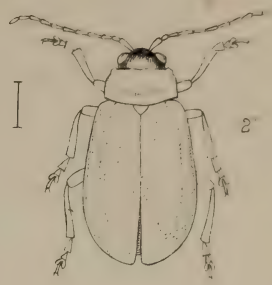
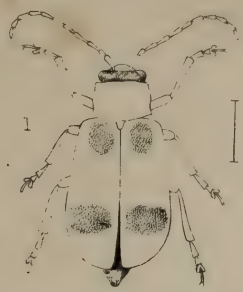
3. GRAMMOPTERA.
4. PACHYTA.





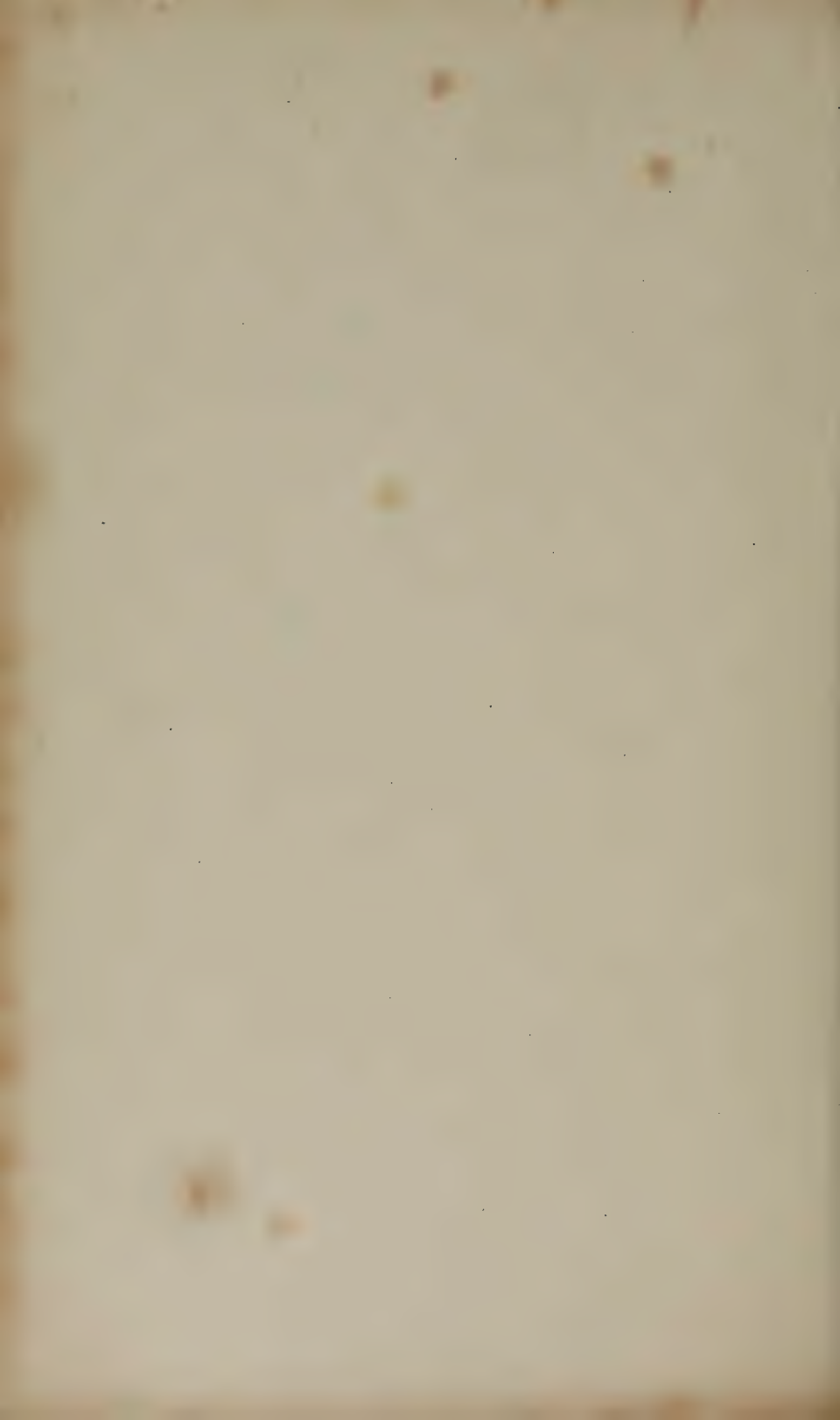
1. DONACIA.
2. MACROLEA.
3. CRIOCERIS.

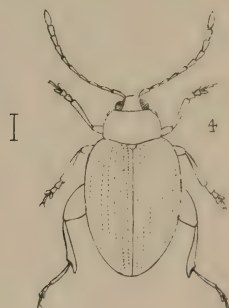
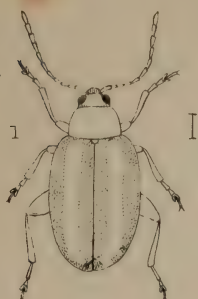
4. ZEUGOPHORA.
5. ORSODACNA.
6. PSAMMÆCHUS.



1. AUCHENIA.
2. ADIMONIA.
3. GALERUCA.

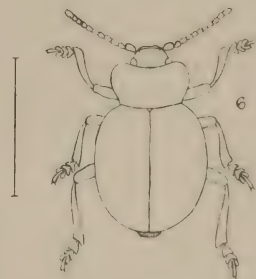
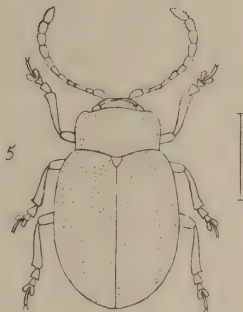
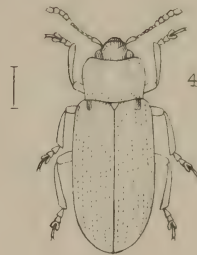
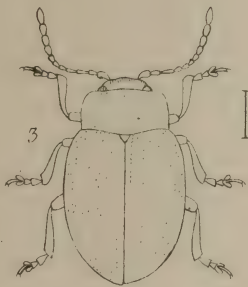
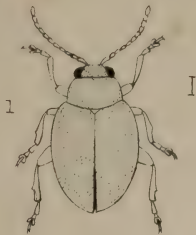
4. CALOMICRUS.
5. LUPERUS.
6. MNIOPHILA





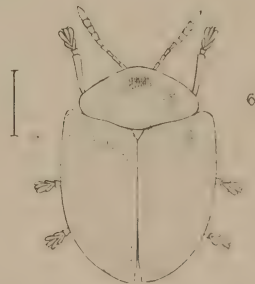
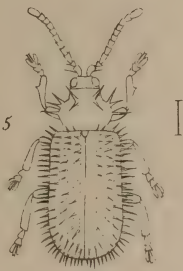
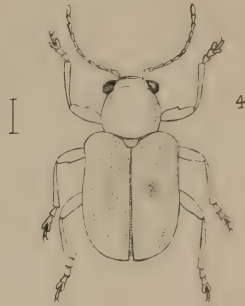
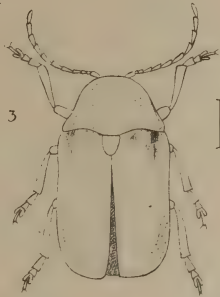
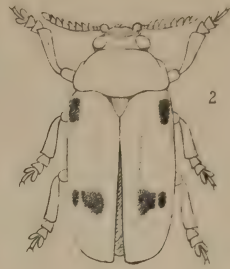
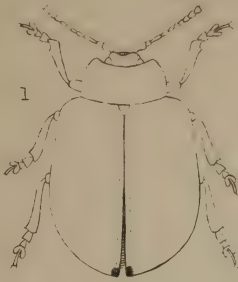
1. HALTICA.
2. THYAMIS.
3. MANTURA.

4. MACROCENEMA.
5. DIBOLIA.
6. CARDIAPUS.



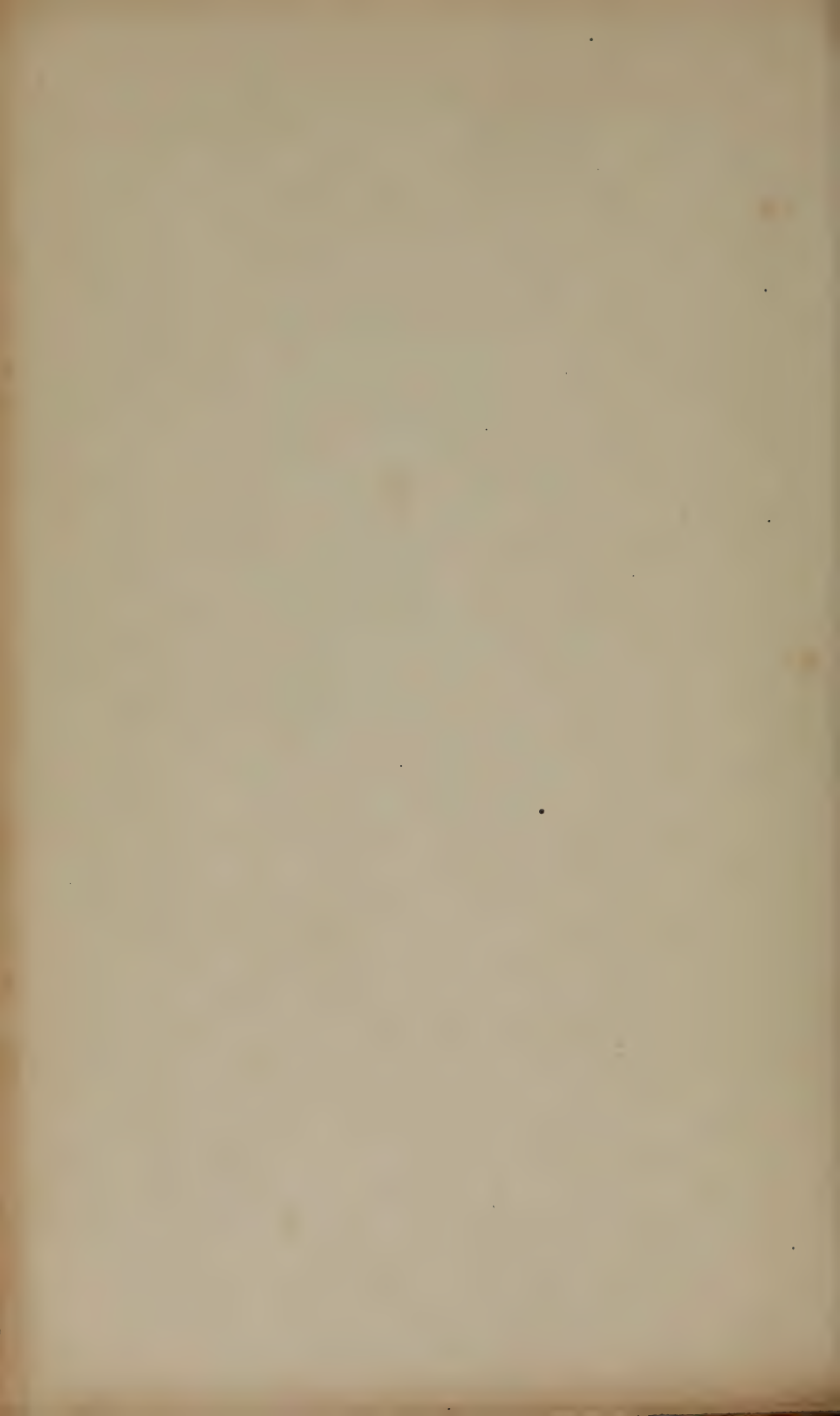
1. CHETOCNEMA.
2. SPHAERODERMA.
3. PHÆDON.

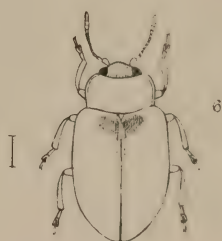
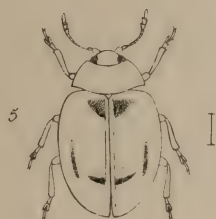
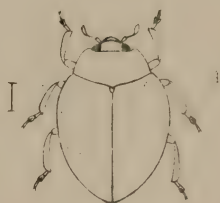
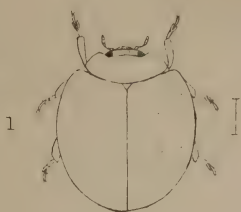
4. PRASOCURIS.
5. CHRYSOMELA.
6. TIMARCHA.



1. MELASOMA.
2. CLYTHRA.
3. CRYPTOCEPHALUS

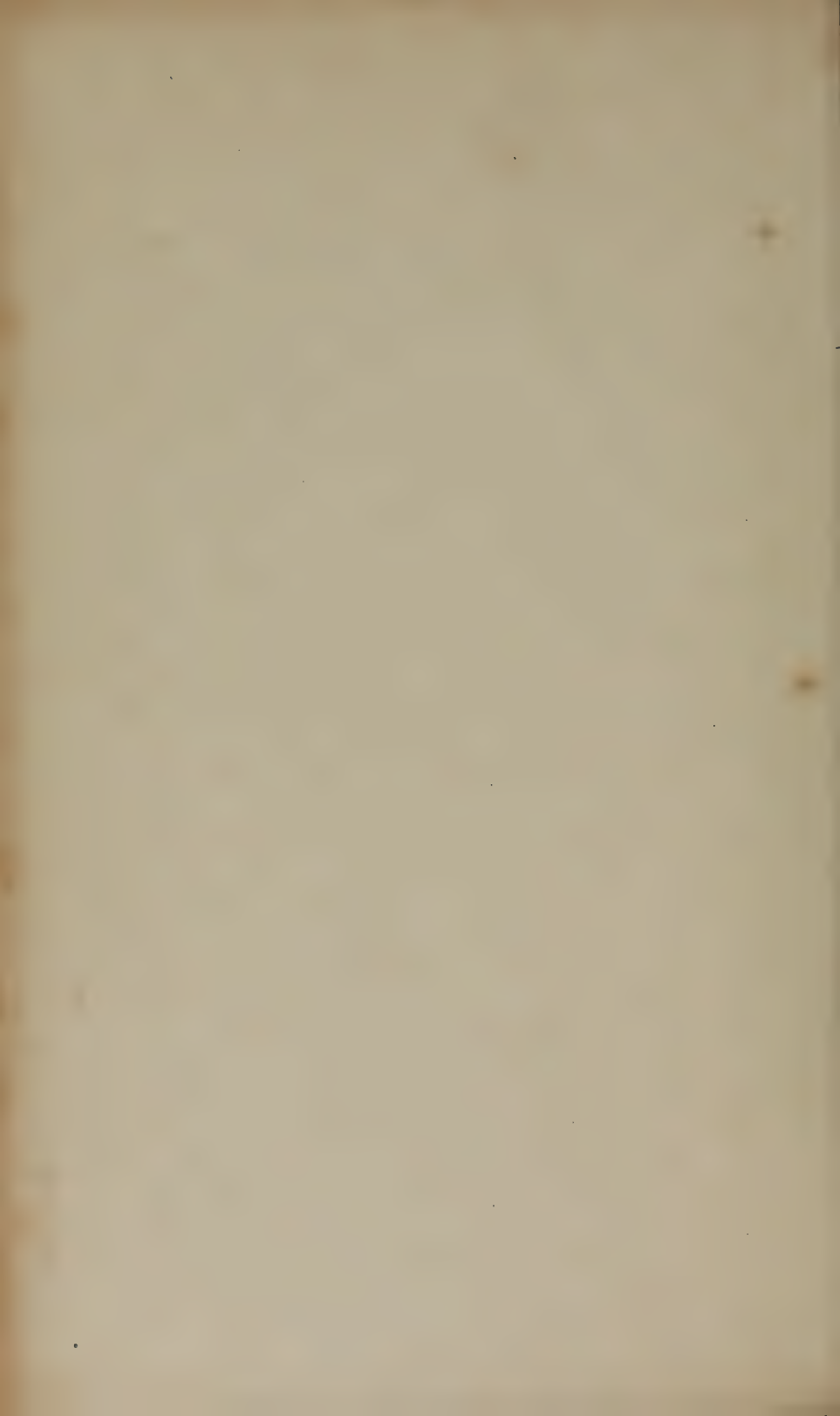
4. EUMOLPUS.
5. HISPA.
6. CASSIDA

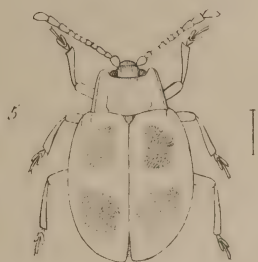
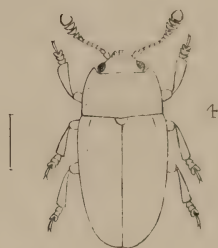
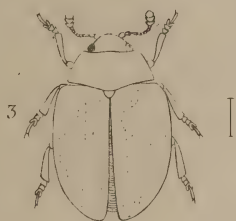
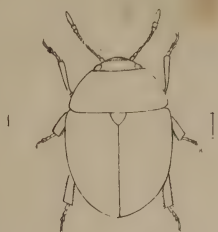




1. CHILOCORUS.
2. COCCINELLA.
3. SPHAEROSOMA

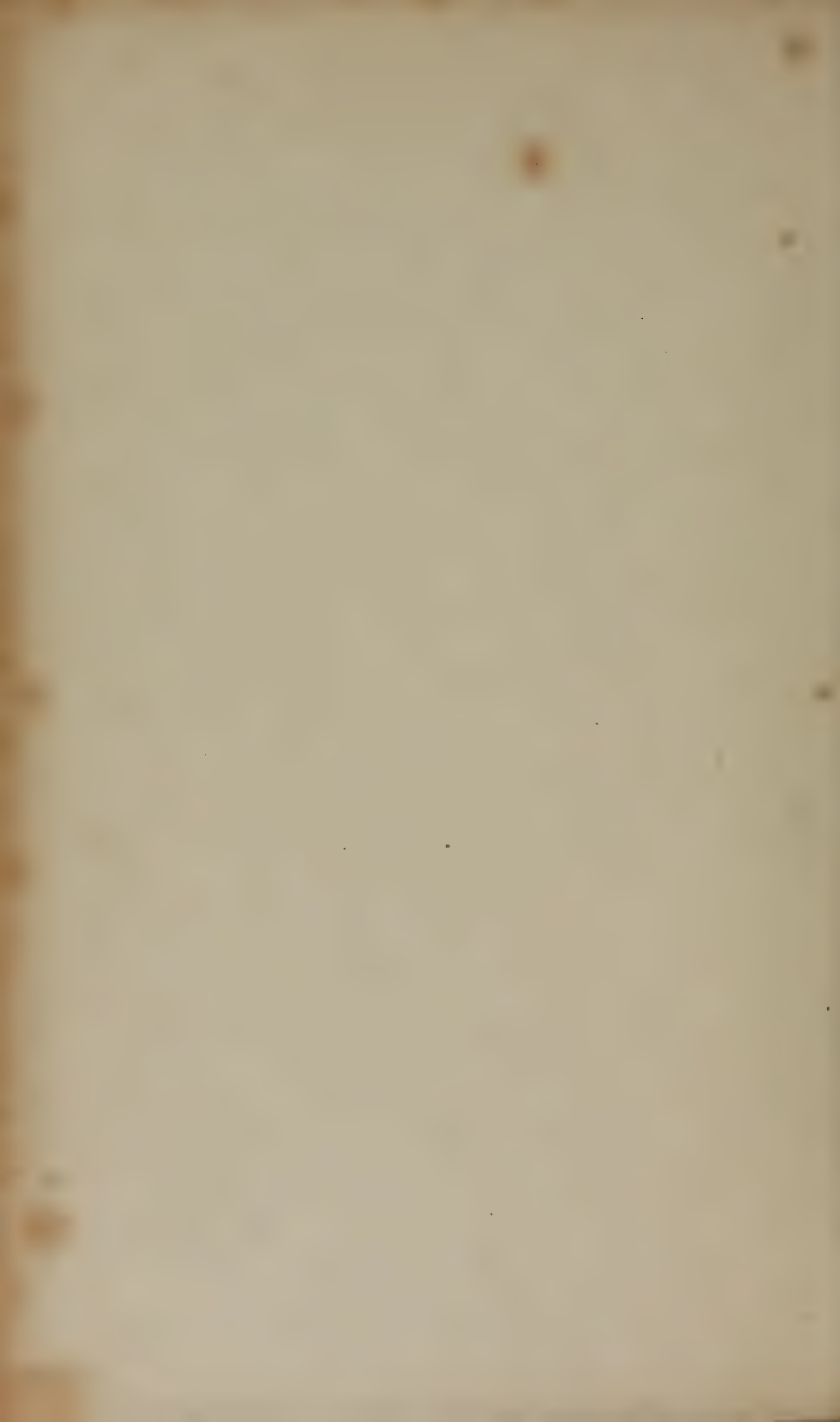
4. SCYMNUS.
5. RHYZOBIOUS.
6. CACICULA.

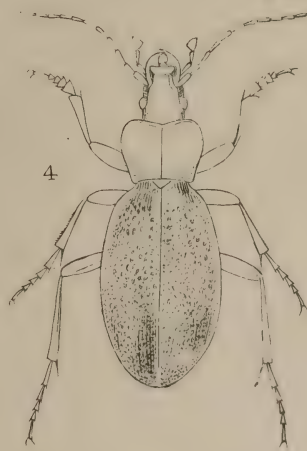
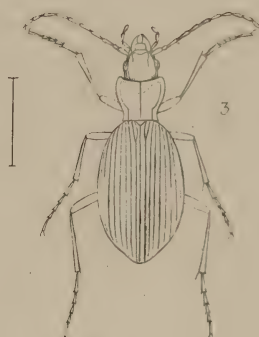




1. PHALACRUS.
2. ALEXIA.
3. TRITOMA.

4. TRIPLAX.
5. ENDOMYCHUS.
6. LYCOPERDINA.



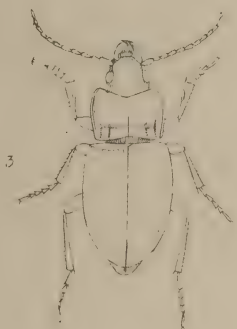


1 OXYSTOMUS.
2 DISTOMUS.

3. ALPÆUS.
4. PROCRUSTES.



5



1. SOGINES.

2. COPHOSUS.

3. CHEPORUS.

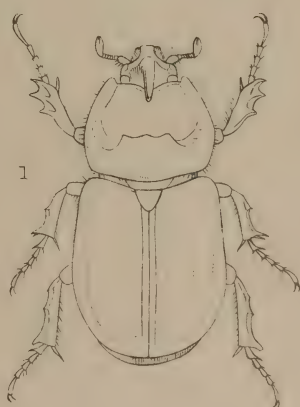
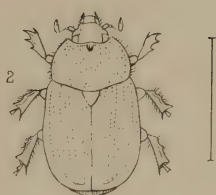
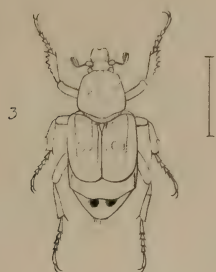
4. MASTIGUS.

5. TRIBOLIUM.



1. CHRYSOBOTHRUS.
2. LAMPRA.
3. DICIRCA.

4. ANCYLOCHEIRA.
5. MELANOPHILA.
6. PTOSIMA.

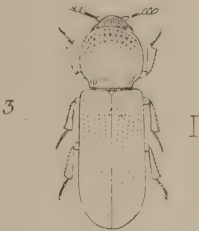


1. ORYCTES.

2 DYNASTES.

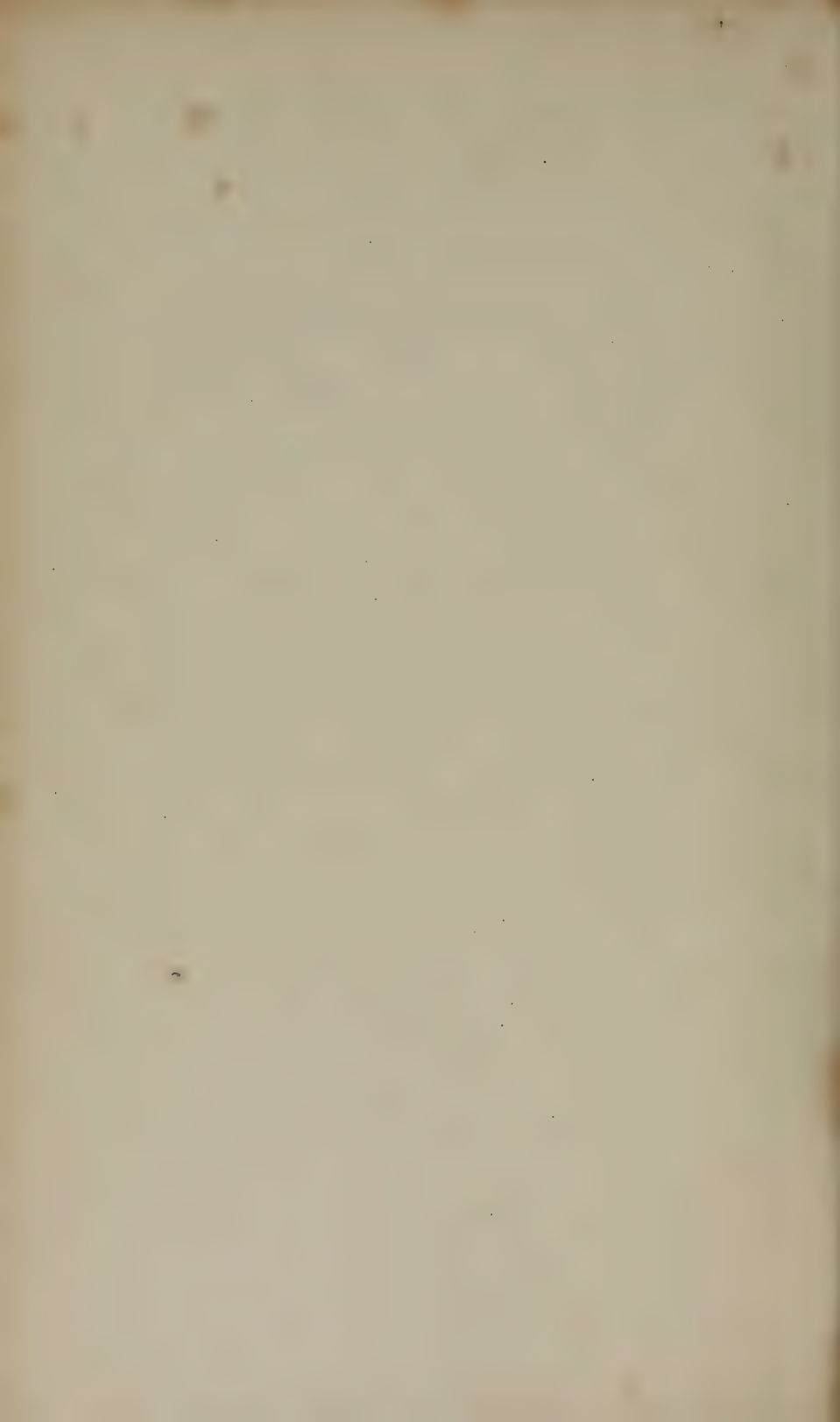
3. VALGUS.

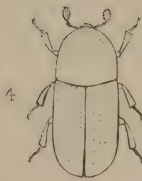
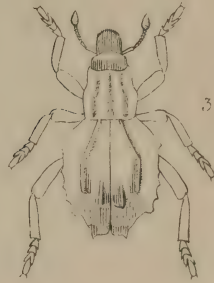
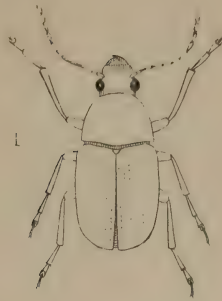




1. *DRASTERIUS*.
2. *ENICOPUS*.

3. *RHYZOPERTHA*.
4. *RHIPIDIUS*.

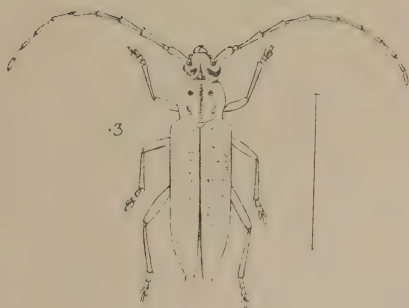
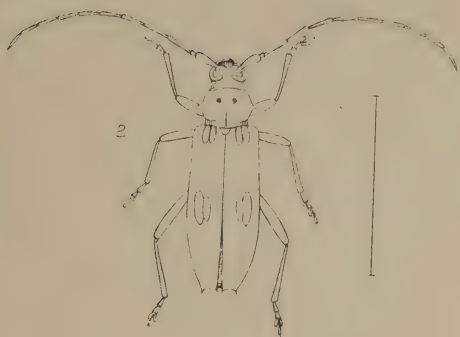




1. PHLOEOBIUS.
2. CARYOBORUS.

3. RHYTIRHINUS.
4. HYPOTHENEMUS.

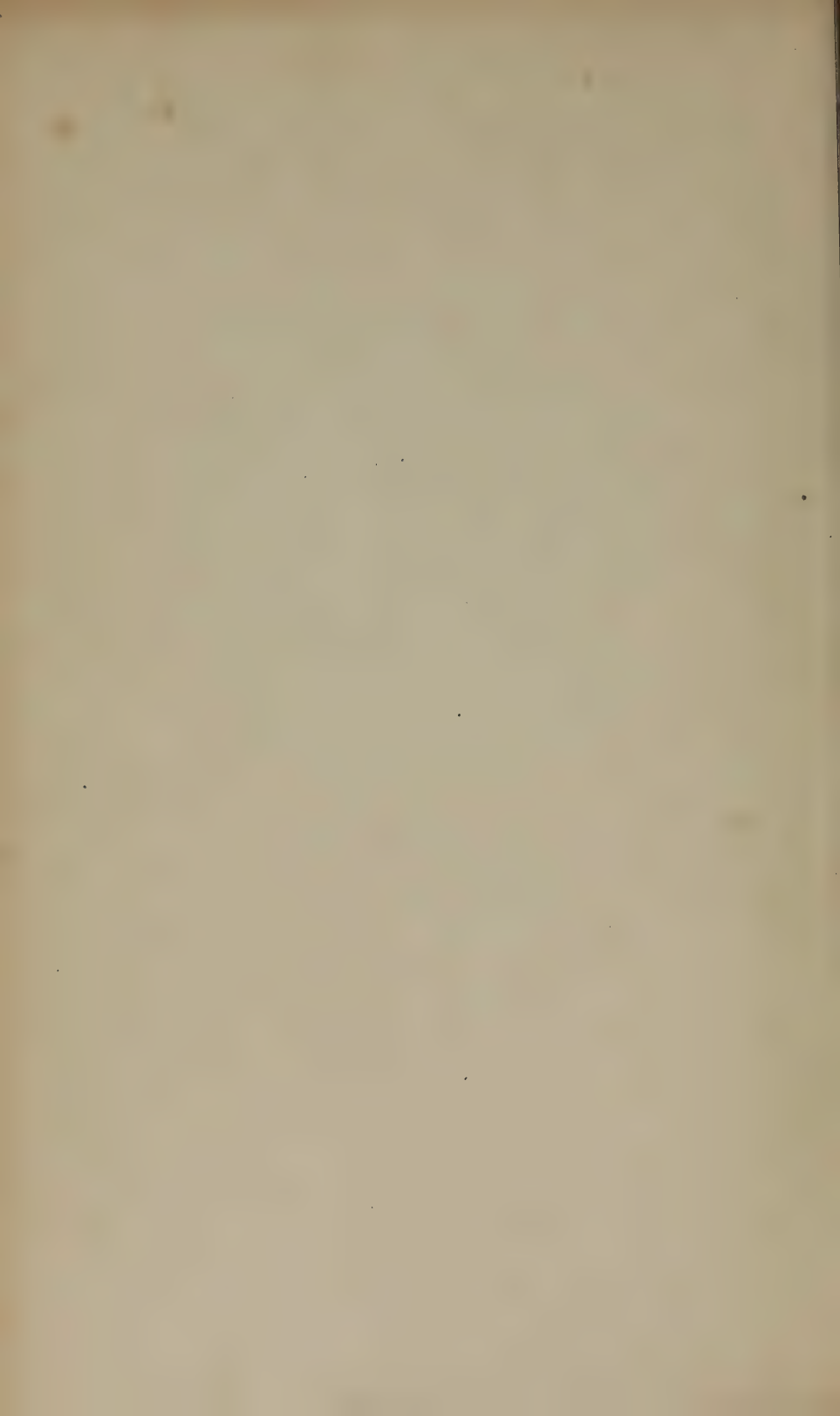


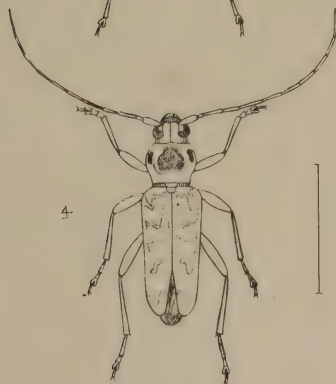
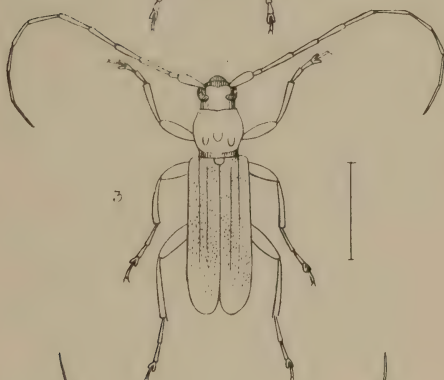


1. PURPURICENUS.

2. EBURIA.

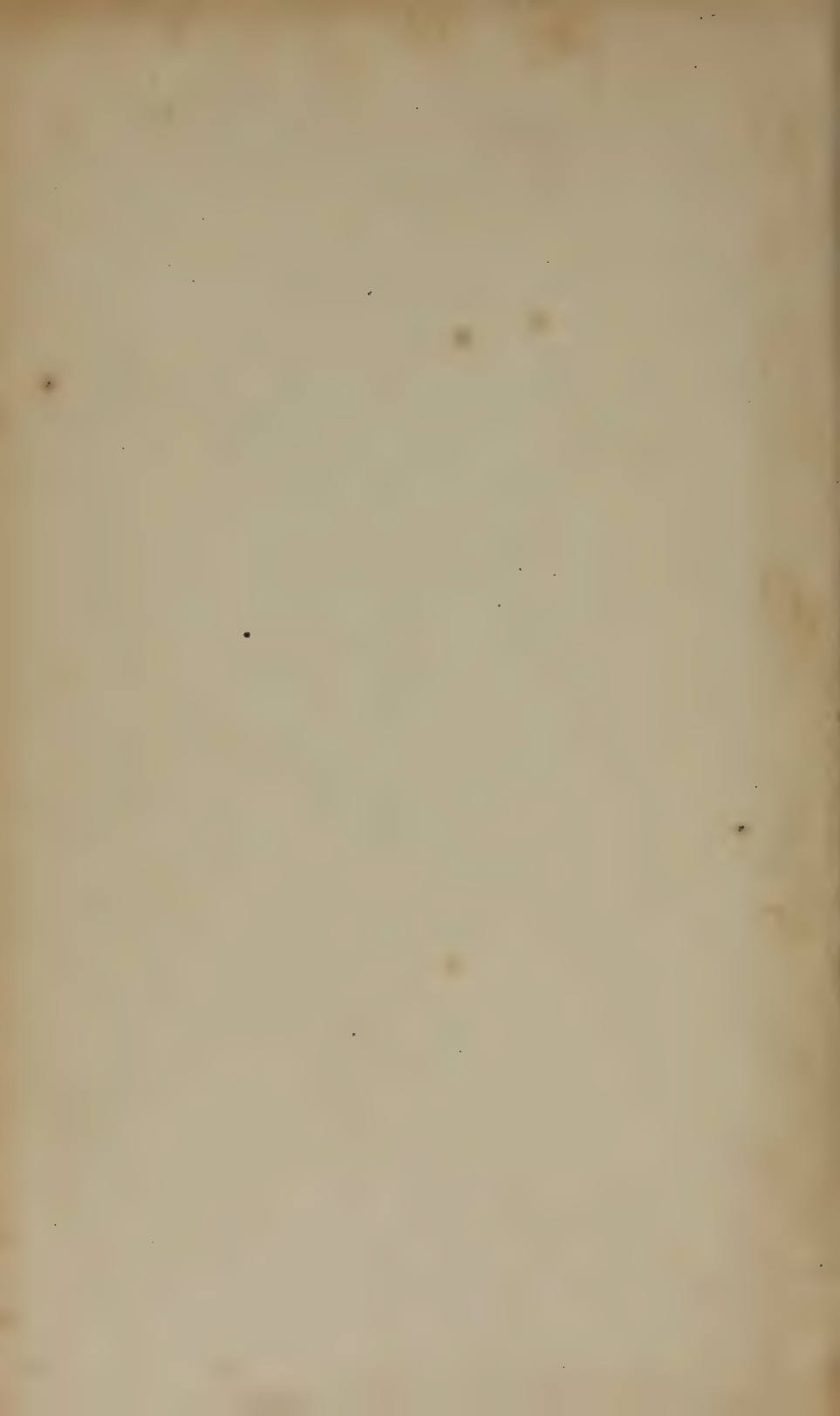
3. ELAPHIDION.

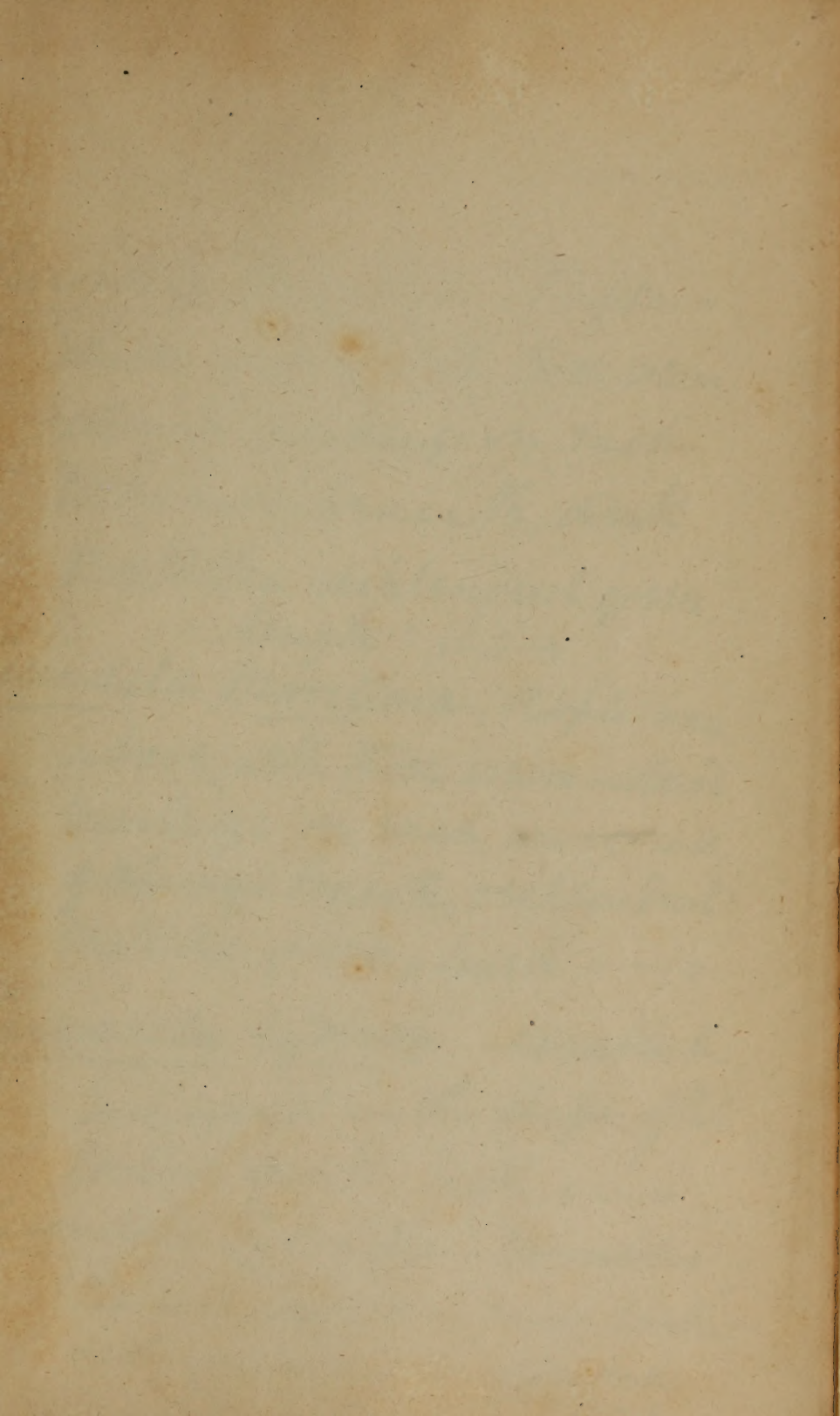


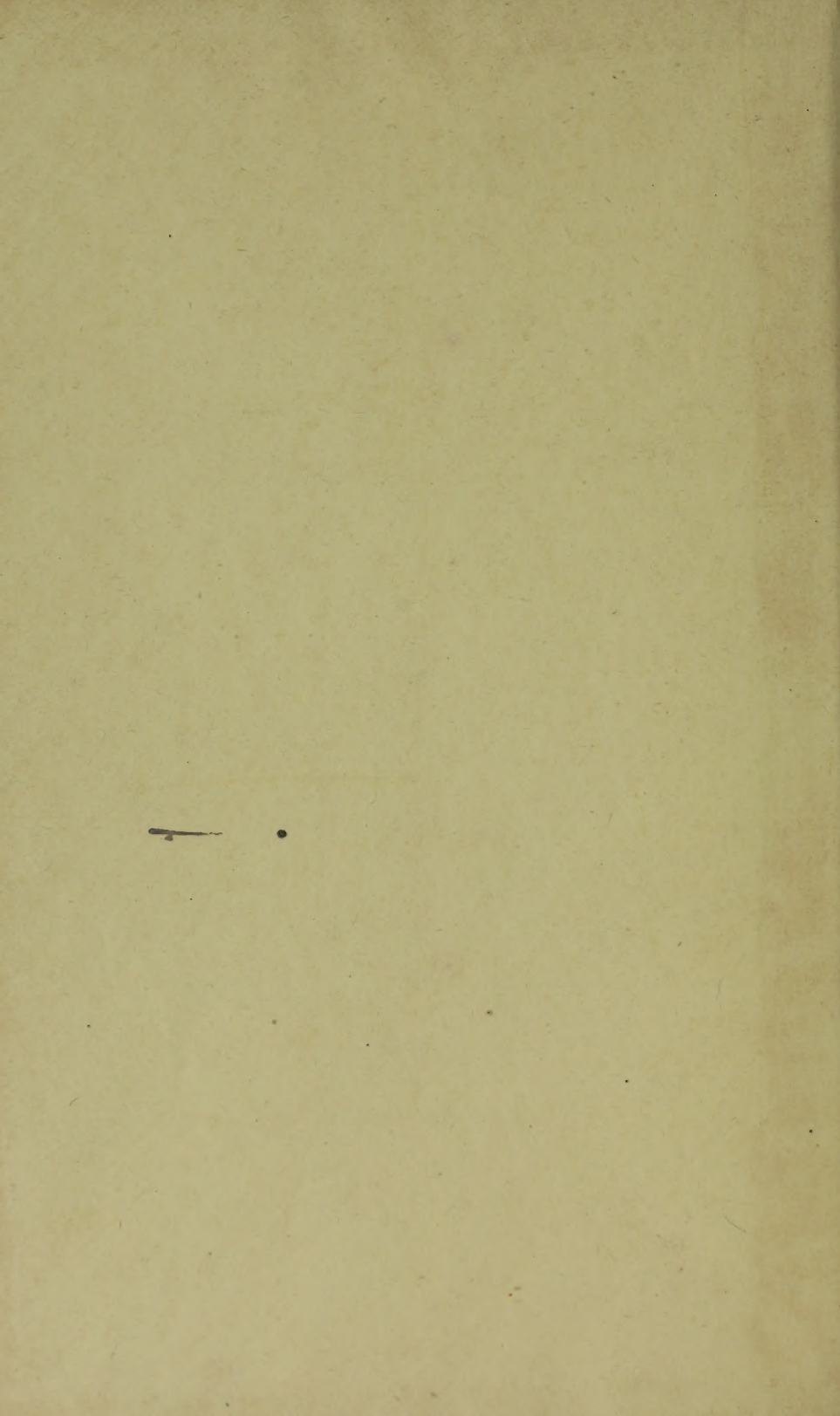


1. TETRAOPES.
2. CYLINDERA.

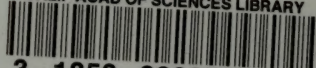
3. PENICHRUA,
4. AROPALUS.







CALIF ACAD OF SCIENCES LIBRARY



3 1853 00037 1406

